Northeastern University

Graduate Catalog
2012–2013

Contents

General Admission and Transfer Credit

The graduate schools' programs are offered on a semester calendar consisting of fifteen weeks. The College of Professional Studies graduate programs are offered on a quarter calendar consisting of twelve weeks.

QUARTER PROGRAMS
For student records that include quarter hours, the approved semester-hour conversion rate is (quarter hours) × 0.750. For example, a 4-credit quarter course is equivalent to a 3-credit semester course.

SEMESTER PROGRAMS
Traditional semester hours apply.

A copy of each graduate degree program as approved by the Board of Trustees and as officially amended is on file in the Office of the Provost. This record contains the goals of all requirements for the program. All descriptions of the program in the university, college, and department publications must conform to this officially approved record. Descriptions of PlusOne programs are also on file in the provost's office.

Standards of admission are specific to degree programs.

Admission Requirements
Prior to beginning a graduate program, students must meet one of the following conditions:
- Have received a bachelor's degree or equivalent from an accredited college or university
- Have received a master's degree or equivalent degree from an accredited college or university
- Have received a first professional or equivalent degree from an accredited college or university
- Be enrolled in a PlusOne program at Northeastern University

Registration
Northeastern University has a policy of continuous registration while enrolled full-time in a graduate degree program.

All students must register for course work, research, thesis, dissertation, or continuation courses for each semester in order to be in good standing in the program. Registration is continuous with the exception of summer. A student must be registered in summer only if he or she will be graduating in the summer or holds an award that requires registration. A student must be registered during the semester in which they complete all requirements for their degree.

When circumstances warrant, e.g., medical exigency, a student may seek a leave of absence.

The university parental leave policy is available in the University Policies section of the Office of the Provost website.

Transfer Credit
A maximum of 9 semester hours of credit (or 12 quarter hours) obtained at another institution may be accepted toward the degree, provided the credits consist of work taken at the graduate level for graduate credit, carry grades of 3.000 or better, have been earned at an accredited institution, and have not been used toward any baccalaureate or advanced degree or certificate at another institution.

Transfer credits must be no more than five academic years old at the time the student is admitted to graduate study. Courses older than five years will be accepted only in rare circumstances.

Grades earned in transferred credits are not counted as part of the overall grade point average earned at Northeastern.

Transfer credits will only be accepted at the discretion of the academic department and the college's graduate office.

College of Professional Studies
Transfer Credit Policies
The College of Professional Studies (CPS) awards transfer credits for courses successfully completed at regionally and programmatically accredited institutions. The Council for Higher Education Accreditation provides information about the organizations responsible for these two forms of accreditation. Official transcripts from all institutions should be sent directly to the CPS Office of Admissions at the time of application.

Transfer credits earned at institutions outside of the United States are considered on a case-by-case basis. Students should submit an official English evaluation completed by an approved credential evaluator. Course descriptions and/or syllabi also should be translated into English and submitted to the CPS Office of Admissions.

Graduate courses will not be evaluated for transfer credit if they were earned to fulfill an academic requirement for a graduate degree program. All graduate transfer credit awards are made on a case-by-case basis at the discretion of the graduate program director. With specified exceptions, a maximum of 8 quarter hours or two courses is allowed as graduate transfer credits toward a graduate degree; a maximum of 4 quarter hours or one course is allowed toward a graduate certificate.

Assessment of Prior Learning (APL) credits are not awarded at the graduate level.

In the CPS, to be accepted as transfer credit, prior course work must be:

- At the graduate level
- A minimum course grade of B, or 3.000 on a 4.000 scale
- Not be older than seven years

GRADUATE CERTIFICATE TRANSFER CREDIT POLICIES

- A maximum of 4 quarter hours (one course) of transfer credit

MASTER DEGREE TRANSFER CREDIT POLICIES

- A maximum of 8 quarter hours of transfer credit

DOCTORAL DEGREE TRANSFER CREDIT POLICIES

- A maximum of 9 quarter hours of transfer credit for Doctorate of Education students
- A maximum of 8 quarter hours of transfer credit for Transitional Doctor of Physical Therapy students
- No transfer credit is awarded for students in the Doctorate of Law and Policy program

Minimum Cumulative Grade-Point Average

Grades submitted to satisfy, in whole or in part, the requirements for any graduate degree or certificate of advanced study must yield a cumulative grade-point average of 3.000 or higher. This requirement may be supplemented by additional restrictions established by the graduate program or the college's graduate office such as, but not limited to, the maximum number of individual courses with grades below 3.000 that may be obtained without being required to withdraw or a minimum grade-point average in each semester.

Students falling below 3.000 are placed on academic probation. If the student remains on academic probation for two semesters, he or she may be terminated from the graduate program.

Not more than two courses or 6 semester hours of credit, whichever is greater, may be repeated to satisfy the requirements for the degree. The last grade earned in each of these repeated courses is counted in the calculation of the cumulative graduate point average.

Any incomplete grades must be made up within one calendar year from the semester in which the student took the class that resulted in the incomplete course grade.

More information regarding course grading and academic disputes may be found at "Academic Appeals" under "Appeals Policies and Procedures," page 36.

Full-Time Status

Note: Full-time status may be defined differently for federal loan purposes.

- A graduate student is considered a full-time student if enrolled in a minimum of 8 semester hours of credit for the semester with the following considerations:

- Students who hold stipended graduate assistantships will be considered full-time if enrolled for a minimum of 6 semester hours of credit.
- Students for whom English is a second language, at the discretion of their departments, will be considered full-time if they are enrolled in a minimum of 8 semester hours or three courses, whichever is less.
- Students holding Dean's scholarships, Diversity fellowships, Double Husky awards, or being supported by Graduate Student Scholarships (GSSs) will be considered full-time if they are enrolled in a minimum of 8 semester hours.
- Students enrolled in Dissertation or Continuation are considered full-time.
- Students who are engaged in a practicum experience as part of their degree requirements may be considered full-time at the discretion of their academic departments or program.
- During the summer session, graduate students with an award are considered full-time if enrolled for a minimum of 3 semester hours or in continuation status.
- International students enrolled in graduate programs at Northeastern University must consult with the International Students & Scholar Institute on all matters regarding the maintenance of full-time status.

Special Student Status

Those students who are not pursuing a specific degree program are classified as special students. Special students must satisfy the requirements for admission and perform at a satisfactory level in course work in order to continue as special students. Performance of a special student in graduate courses should average at least 3.000 in order for the student to be allowed to register for any subsequent classes. The number of credits that may be earned by a student enrolled as a special student is at the discretion of each graduate office. However, a maximum of 12 graduate semester hours may be applied to a graduate program. Students interested in pursuing a degree program must apply formally to the degree program. Special students who do not register for four consecutive semesters, excluding summer semester, are subject to review and possible withdrawal.

Special students are not eligible for Northeastern financial aid awards or federal financial aid.

Provisional Student Status

Provisional students are students whose academic records do not qualify them for acceptance as regular students. Provisional students must obtain a 3.000 grade-point average in the first 9 semester hours of graduate courses in order to continue in the graduate program or meet specifically delineated departmental requirements to qualify for full acceptance to a degree program. Students may not earn more than 9 semester hours while enrolled in provisional status. After the completion of 9 semester hours, students must either satisfy regular admission standards or be denied further registration in the graduate program. Normally, these 9 semester hours are earned within a single academic year.

Provisional students are not eligible for Northeastern financial aid awards or federal financial aid.

International students cannot be admitted provisionally.

Committee in Charge of the Graduate Student's Degree Program

The committee in charge of the graduate student's degree program is that body charged with overseeing all academic and administrative matters relating to the program. This committee will be a departmental or, in the case of colleges without departments, a college committee. In the case of interdisciplinary programs, the committee is composed of members representing the departments or schools involved in the program.

PhD Dissertation Committees

No dissertation committee shall have fewer than two faculty members from Northeastern University.

The chair of the dissertation committee will be a full-time tenured or tenure-track member of the faculty of Northeastern University. In addition, the chair of a doctoral program committee will hold a doctoral degree.

If a student's major advisor leaves Northeastern, that person may continue the research direction of the dissertation or thesis. However, a co-advisor must be appointed from the academic department or program. The student will then have two advisors, one an official member of the Northeastern faculty who will be available for research and administrative matters and the ex-Northeastern advisor. If a new major advisor is appointed, the ex-Northeastern faculty member may serve as an outside member of the committee.

The PhD committee should be appointed early enough to advise in the formulation of the student's program and in refining the research topic for the dissertation. Before any preliminary examination or equivalent, the degree program graduate coordinator and the relevant college graduate associate dean must approve the membership of the dissertation committee.

Each PhD student shall have an annual review of his or her progress toward the degree. A copy of the review shall be submitted to the student and to the relevant graduate dean.

After reaching candidacy, a student must register for Dissertation for a minimum of two semesters in order to fulfill their formal residency requirement. Continuation status enrollment is for students who are postcandidacy, have completed all course work, and are actively engaged in completing a thesis or dissertation.

Definition

A nondegree certificate program is a program of study requiring at least four graduate courses, or 12 semester hours of graduate credit, but no more than 30 semester hours of graduate credit. Successful completion of such a certificate program will be recorded on the student's transcript. Appropriate graduate credits taken as part of a nondegree certificate program may be counted toward a regular graduate degree at the discretion of the committee in charge of the graduate program.

Admission

All students admitted to a certificate program must satisfy the general requirements for admission as a graduate student, as given on page 2 of this catalog. The committee in charge of the program will determine specific requirements for each certificate program.

Academic Classifications

Those students who have a bachelor's degree from an accredited college or university and satisfy the admissions requirements of the appropriate graduate school are classified as regular students. Domestic students whose records are not of acceptable quality may be accepted as provisional students. International students cannot be accepted provisionally. Provisional students must obtain a 3.000 grade-point average in the first 9 semester hours or otherwise fulfill the delineated departmental requirements to continue in the graduate program; they then become regular students. Any student whose record is not satisfactory may be dropped by action of the committee in charge of the degree program.

Course Requirements

The requirements for the master's degree are a minimum of 30 semester hours of graduate work, beyond the bachelor's degree, together with such other study as may be required by the graduate school and department or program concerned. Students enrolled in a PlusOne program will be allowed to double-count prescribed graduate courses as part of their undergraduate degree.

Time Limitation

Course credits earned in the program of graduate study, or accepted by transfer, are valid for a maximum of seven years unless the relevant graduate office grants an extension.

GENERAL REGULATIONS AND REQUIREMENTS FOR THE CERTIFICATE OF ADVANCED GRADUATE STUDY

The Certificate of Advanced Graduate Study (CAGS) provides specialized study above the master's degree. It is a course of study that falls between the master's and doctoral degree and culminates in a graduate degree.

Admission

An applicant for the CAGS must hold a master's degree in a related field from an accredited institution and must complete the admission procedure described in the material of the graduate school.

Academic Classifications and Degree Candidacy

Students admitted to a CAGS program will be designated as candidates for the Certificate of Advanced Graduate Study.

Course Requirements

A candidate for the CAGS must satisfactorily complete an approved program conforming to the requirements of the graduate school and department or program in which the candidate is registered. The candidate must complete a minimum of 24 semester hours of credit beyond the master's degree.

Time Limitation

Course credits earned in the program of graduate study, or accepted by transfer, are valid for a maximum of seven years unless the graduate school committee grants an extension.

GENERAL REGULATIONS AND REQUIREMENTS FOR THE DOCTORAL DEGREE

The formal requirements for the PhD degree are the following: completion of the course work mandated by the individual degree program, fulfillment of the residency requirement, formal training in the Responsible Conduct of Research, a comprehensive examination or equivalent if required by the degree program, continuous registration, a final examination conducted by the student's PhD committee, and submission of a dissertation to the relevant graduate office and to ProQuest for archiving. The dissertation must be based on original and independent research.

Academic Classification and Degree Candidacy

DOCTORAL STUDENT

Students in this classification have been admitted to a doctoral program.

DOCTORAL CANDIDATE

Every degree program shall have a policy defining candidacy. Students in this classification will have completed all departmental, college, and university requirements except for the dissertation. These requirements vary by program but minimally include completion of approximately 30 semester hours of acceptable graduate work beyond the bachelor's degree or possession of a previously earned master's degree that is acceptable to the department and certified by the graduate office. The requirements frequently include a comprehensive examination or a proposal defense.

Dissertation

Candidates for the degree of Doctor of Philosophy must complete a dissertation that embodies the results of extended research and makes an original contribution to the field. This work should give evidence of the candidate's ability to carry out independent investigation and to interpret in a logical manner the results of the research. The committee in charge of the degree program establishes the method of approval of the dissertation.

Candidates for the degree of Doctor of Education must complete a dissertation that embodies the results of extended, creative, and independent research and proper evaluation and interpretation of the results. The committee in charge of the degree program establishes the method of approval of the dissertation.

Final Oral Examination and Submission of Dissertation

The final oral examination will be carried out after the completion of all other requirements of the degree. The final oral examination will be on the subject matter of the doctoral dissertation and significant developments in the field of the dissertation. Other fields may be included if recommended by the examining committee. This examination must be held at least two weeks before the commencement at which the degree is to be awarded.

Time Limitation

After the establishment of degree candidacy, a maximum of five years will be allowed for the completion of the degree requirements. Under extenuating circumstances, a student may request an extension of this time frame.

GENERAL REGULATIONS AND REQUIREMENTS FOR INTERDISCIPLINARY GRADUATE DEGREES

Northeastern University offers individually designed and ongoing interdisciplinary graduate programs. The individually designed program is for the student who wishes to pursue graduate studies in an area that substantially overlaps two or more units. In such cases, that student may design an interdisciplinary program. The program will correspond in scope and depth to regular degree standards but need not agree exactly with the regulations of individual units. There are also ongoing programs for students who wish to pursue graduate studies in areas in which two or more units have jointly established a graduate program. As with individually designed programs, ongoing programs correspond in

scope and depth to regular degree standards but do not agree exactly with the regulations of individual units.

The general regulations and requirements for graduate programs (above) apply to interdisciplinary programs. Additional regulations and requirements are stated below.

Admission

INDIVIDUALLY DESIGNED PROGRAMS

Application for admission to an interdisciplinary program consists of the admissions material required for graduate study plus a carefully thought-out, written proposal describing the areas of proposed study and research as well as a description of the qualifying and comprehensive examination process to be used. The proposal may be part of the initial application for admission to graduate study at Northeastern University or a student already enrolled may submit it. In either case, the proposal material should be prepared in consultation with an academic advisor who is a tenure line faculty member at Northeastern University.

In the case of master's programs and certificates of advanced graduate study, the admissions material and proposal may be directed to a graduate-degree-granting unit or to the director of the graduate school, who directs it to the appropriate unit. In either case, admission to interdisciplinary study requires favorable recommendation by all units involved, one of which is chosen as the registration base of the student.

In the case of doctoral study, the admissions material and proposal may be directed to a doctoral-degree-granting unit or to the director of the graduate school, who directs it to the appropriate unit. In either case, admission to interdisciplinary doctoral study requires favorable recommendation by all units involved. The doctoral-degree-granting unit becomes the registration base of the student.

ONGOING INTERDISCIPLINARY PROGRAMS

The admission procedure for ongoing programs is described in the university graduate studies website (www.northeastern.edu /graduate) and in the relevant graduate school materials. In all cases, the admission committee is composed of representatives from the participating units. The committee will meet regularly with the program director, will be responsible for establishing academic policies and program requirements, and will certify to the appropriate graduate school the completion of requirements for the awarding of the degree.

Oversight of Academic and Administrative Matters

A student who has been accepted for interdisciplinary study has an advisor who will be the chair of the interdisciplinary committee for the student. The chair may or may not be a member of the registration unit. A second member will be appointed from the registration unit by its chair or dean. These two members will obtain the additional members of the committee. At least two units must be represented on the committee. In the case of doctoral study, a majority of the committee members must come from doctoral-degree-granting units.

The interdisciplinary committee will be responsible for overseeing the completion of all requirements. This committee must also certify to the registration unit the completion of the requirements for the award of the degree. The interdisciplinary committee is also responsible for a periodic report to the registration unit concerning the progress of the student and must obtain approval from the unit for any changes in the approved program.

The interdisciplinary committee must assure that the program of the student represents standards comparable to those of the registration unit and that the program is not so broad that it has inadequate depth in any area.

Information for Entering Students

Welcome to graduate studies at Northeastern University. Get to know Northeastern University through the eyes of some of our graduate students, alumni, and faculty by looking at the resources at www.northeastern.edu/graduate/prospective-students.

Graduate education at Northeastern integrates the highest level of scholarship across disciplinary boundaries with significant research and experiential learning opportunities in Boston and around the world. Northeastern offers more than 165 graduate programs, ranging from doctoral and full-time master's programs to part-time programs and graduate certificates, including an array of innovative PhD and master's programs designed to prepare students for emerging new fields. Students are able to take courses on campus, online, or in hybrid formats. This multidimensional learning environment offers students the knowledge and experience to excel and the flexibility to create the educational experience that best meets their needs. Our graduates are well positioned to meet the diverse demands of careers in academia, industry, and the professions.

Living in Boston

Boston is an exciting city with a town feel to it that is the perfect place for students. In fact, one out of every three people in the city at any point in time is a student.

With its cobblestoned streets, gaslights, and brick sidewalks on Beacon Hill, Boston preserves rich history and heritage while serving as a modern renowned cultural and educational center. Whether your interest is history, architecture, books, art, the outdoors, dining, shopping, music, or something else, Boston offers many unique and interesting places to explore.

For links to Boston landmarks, cultural institutions, news sources, city guides, and off-campus apartment listings, please visit www.northeastern.edu/graduate/current-students/boston.

Coming to Boston

Preparing to travel to Boston and begin your studies at Northeastern University is exciting, and you have many things to do in preparation for both. When you plan carefully, your travels and arrival in Boston should go smoothly. Here are some of the key things you should do in preparation.

- **Obtain your F-1 or J-1 visa** from the U.S. embassy or consulate in your home country. When an interview is required, please request an appointment early. More information on the application process is available at www.northeastern.edu/issi/visaprocess.html.
- If you are a **transfer student** currently studying in the United States on an F-1 or J-1 status, obtain an **I-20 or DS-2019** from Northeastern and a transfer form at www.northeastern.edu/issi.
- Understand the **medical insurance requirements.** Purchase health insurance coverage if you are not already covered by a policy that meets Massachusetts state requirements. See www.northeastern.edu/issi/insurance.html for more information.

Make sure you receive a copy of the Northeastern University health report form. If you have any questions, contact University Health and Counseling Services in person at 135 Forsyth Building, by calling 617.373.2772 option #2, or by email at UHCS@neu.edu.

Travel to Boston

INTERNATIONAL STUDENT & SCHOLAR INSTITUTE AIRPORT WELCOME

This program is provided in the fall semester of each new academic year. International Sudent & Scholar Institute (ISSI) staff and volunteers will meet new students arriving in Boston to start their new academic programs at Northeastern University. The ISSI team will be waiting in Terminal E at Boston Logan International Airport and will make multiple trips back and forth from Logan to the Northeastern University campus. If your travel plans have you arriving in a terminal other than Terminal E, take the free airport shuttle, #11, which stops at all terminals.

International graduate, College of Professional Studies, Global Pathways, American Classroom, and exchange students are welcome to take advantage of the airport welcome. If you are interested in this opportunity, please sign up on the ISSI website, under Travel to Boston. Unfortunately, we are not able to provide custom airport pickup. If you are arriving on a day other than the official airport welcome day, please refer to the information below.

GETTING TO CAMPUS ON YOUR OWN

It's easy to get to campus from Logan Airport by either a taxi or, if you don't have a lot to carry, by public transportation.

Taxis are readily available from all terminals at Logan Airport. You should expect the ride to the Northeastern campus to cost USD $35 or more.

The Boston subway system (called the MBTA, or T; see www.mbta.com) is also an easy way to travel, if you are able to carry all your luggage.

1. When you exit the airport building, you will see signs for a Massport shuttle bus making stops at all terminals. You can board the shuttle for free and ride it to the airport subway

station of the MBTA system. The *Airport* stop is part of the Blue Line section of the T system.

2. Enter the *Airport* T station and buy a Charlie ticket from the automatic vending machine.

3. After entering the turnstile you will head to the Blue Line inbound platform. Take the train for four stops to the *Government Center* stop.

4. When you exit the train at *Government Center,* look for the Green Line outbound line of the T. You will not have to pay to transfer.

5. There are four different Green Line trains. Board an E Line train to *Heath Street* (the name of the last stop on the E Line). Exit the train at the *Northeastern University* stop on Huntington Avenue.

- Maps of Logan International Airport: www.massport.com/logan-airport /Pages/LoganAirportMaps.aspx

- Public Transportation (MBTA): http://mbta.com/schedules_and_maps/subway/

Planning Information

As a new international student you are expected to arrive by the start date of your program stated on the I-20 issued by Northeastern or on the DS-2019 issued by Northeastern or by your sponsoring agency/government.

When you plan your travel arrangements, you should seek admission to the United States no more than 30 days prior to the report date on your I-20 or DS-2019, and you should not arrive after the report date on your I-20 or DS-2019.

All international students will need to report to the ISSI at their scheduled immigration clearance session during orientation. Check the orientation schedule (www.northeastern.edu/issi /orientation.html) for the date and time of your session.

International Student Orientation

At the beginning of each semester the ISSI conducts orientation sessions, events, and activities designed to assure you have completed all U.S. documentation requirements and to provide you with information and support to ease your transition to life in the United States and at Northeastern University. At each session, you will also have the opportunity to meet other international students, learn from shared experiences, and find any assistance you may need.

Orientation week is very important. Please make sure you attend every mandatory session, and attend as many scheduled events as you can to avoid missing other important information during your first few weeks on campus.

New international graduate, College of Professional Studies, American Classroom, and Global Pathways students are required to attend the ISSI orientation components scheduled for their academic programs. For a schedule of required sessions and other events, please see the ISSI website: www.northeastern.edu/issi /schedule.html. You do not need to register for ISSI orientation.

If you are a U.S. citizen living abroad, you are not required to attend ISSI's mandatory immigration clearance or Student and Exchange Visitor Information System (SEVIS) sessions. You are more than welcome, however, to attend other sessions and events planned by the ISSI during orientation. Please visit the orientation schedule to see a full listing of other sessions and events: www.northeastern.edu/issi/schedule.html.

PARTICIPATE IN CULTURAL EVENTS

We are proud to offer cultural events throughout the academic year to the Northeastern community. For more information and to register, please check the schedule of events on the ISSI website.

SEVIS Compliance

The ISSI is required to comply with immigration regulations governing your student status and must submit information every semester as required by Homeland Security.

THE ISSI: YOUR RESOURCE FOR SEVIS ADVICE AND ASSISTANCE

The ISSI advises students on the complexities of immigration compliance and interfaces with various U.S. government agencies. The ISSI maintains and updates the SEVIS system and advises students on relevant issues related to nonimmigrant student status by individual appointments or through workshops and information sessions. Consult the ISSI whenever you have a question relating to your nonimmigrant student status or any aspect of SEVIS compliance.

ACADEMIC RESOURCES

Center for Innovation and Excellence in Teaching and Learning

215 Snell Library
617.373.3496
www.northeastern.edu/cietl

The mission of the Center for Innovation and Excellence in Teaching and Learning (CIETL) is to promote a campus culture that values learning and provides leadership in the design, delivery, and assessment of teaching. CIETL includes a faculty director and a team of faculty fellows who work on department-based, college-based, and cross-disciplinary projects.

- CIETL coordinates a variety of programs, resources, events, and workshops that support teaching assistants in the pursuit of excellence and innovation in teaching.
- CIETL works in close collaboration with the Education Technology Center on projects such as developing electronic portfolios.
- CIETL coordinates the university-wide online student evaluations of courses and teaching. Under the new system, TRACE (teacher rating and course evaluation), all teaching assistants are evaluated.

Global Student Success

10 Belvedere
Boston, MA
617.373.2455
www.cps.neu.edu/gss
Email: globalss@neu.edu

Global Student Success is committed to fostering the acculturation of international students to the Northeastern community and promoting internationalization across the institution. We support international students through cross-cultural, linguistic, and academic support services. We also partner with faculty, staff, and administrators to integrate global dimensions and cross-cultural understanding into the Northeastern experience.

Libraries

Northeastern University Libraries
617.373.2354 Information
617.373.3395 (TTY)
www.library.northeastern.edu

The Northeastern University libraries include Snell Library on the main campus and the Marine Science Center in Nahant, Massachusetts. (The African-American Institute Library, the Career Development and Placement Library, the Hillel House Collection, and the School of Law Library are separate, specialized libraries.)

Snell Library is the primary research library for the university, with collections and services to support most disciplines. Holdings are extensive, and a large proportion are available digitally via the Web. Northeastern University libraries are a federal depository, maintaining a significant collection of materials published and distributed by the federal government.

Snell Library has a seating capacity of 1,700. The facilities include a cybercafe, a digital media design studio, the University Archives and Special Collections, and a large computing facility, the last maintained by Information Services. During the spring, summer, and fall terms, the main floor of the library is open for study twenty-four hours per day, seven days per week. The library has wireless capability throughout the building.

Services provided by Snell Library include both on-site and distance reference, the latter including 24/7 live chat with a reference librarian; a state-of-the-art interlibrary loan system for providing materials not readily available at Northeastern; and a digital media design studio, the last providing resources and assistance to support the recording, digitizing, and remixing of digital scholarly content. In addition, library subject specialists are available by appointment to meet and discuss strategies for doing library research and finding information on a particular topic. For those who are teaching, library subject specialists are also available to provide in-house, customized library orientation and instruction for class groups. Most library services and many library resources now extend via the Web to distant, off-campus users.

The School of Law Library, located on five floors in the Knowles Law Center, includes a comprehensive collection of U.S. legal materials in print and in electronic format. Of particular note is the library's collection in the areas of public interest law; international human rights law; and public health, death penalty issues, and progressive lawyering. Access to print and electronic materials is provided through NUCat, the university's online catalog. More information can be found at www.northeastern.edu/law/library.

Registrar's Office

120 Hayden Hall
617.373.2300
617.373.5360 (TTY)
www.northeastern.edu/registrar

The Office of the University Registrar provides an important link between the university's academic programs and policies and the student. It administers a number of specific services, including class scheduling, registration, record functions, verification of enrollment, reporting, transcript services, and commencement.

The registrar's office utilizes the myNEU Web portal (myneu.neu.edu) and public campus computers to provide students convenient access to information and services, including class schedules and registration, most recent grades, and unofficial transcripts. Additional information is available at www.northeastern.edu/registrar.

Research

www.northeastern.edu/research

Graduate education is a very important part of Northeastern's research mission. Many graduate students participate, as research assistants and co-investigators, in ongoing faculty research projects.

You can find information about active research at Northeastern on individual college websites. You are invited to inquire at the appropriate departmental offices to explore the opportunities for participating in these projects.

Northeastern has more than thirty interdisciplinary centers and institutes that do not grant degrees but engage in research in collaboration with academic departments. For more information, see Northeastern's research website.

Research Centers

This list represents Northeastern University's research centers and institutes, defined as academic or freestanding units whose primary purpose is to sponsor, coordinate, conduct, and promote research.

Advanced Scientific Computation Center
Antimicrobial Discovery Center
Barnett Institute of Chemical and Biological Analysis
Brudnick Center on Violence and Conflict

Center for Advanced Microgravity Materials Processing
(CAMMP)
Center for Awareness and Location of Explosives-Related Threats
(ALERT)
Center for Communications and Digital Signal Processing (CDSP)
Center for Complex Network Research (CCNR)
Center for Criminal Justice Policy Research
Center for Drug Discovery
Center for Family Business
Center for High Rate Nanomanufacturing
Center for Interdisciplinary Research on Complex Systems
(CIRCS)
Center for Labor Market Studies
Center for Microcontamination Control
Center for Microwave Magnetic Materials and Integrated Circuits
(CM3IC)
Center for Pharmaceutical Biotechnology and Nanomedicine
Center for Translational NeuroImaging (CTNI)
Center for Urban Environmental Studies
Domestic Violence Institute
Dukakis Center for Urban and Regional Policy (CURP)
Electronic Materials Research Institute (eMRI)
Humanities Center
Institute for Complex Scientific Software (ICSS)
Institute for Global Innovation Management
Institute for Information Assurance
Institute for Security and Public Policy in Criminal Justice
Institute on Race and Justice
Institute on Urban Health Research (IUHR)
Marine Science Center
National Education and Research Center for Outcomes
Assessment in Healthcare (NERCOA)
New England Inflammation and Tissue Protection Institute
Northeastern University Center for Renewable Energy
Technology (NUCRET)
Public Health Advocacy Institute (PHAI)
Sport in Society, a Northeastern University Center
STEM Education Center

Office of Research Regulatory Compliance

960 Renaissance Park
617.373.7570
www.northeastern.edu/research/research_integrity

The Office of Research Regulatory Compliance:
- Educates members of the university community about federal,
  state, and university research regulations in the area of human
  studies (Northeastern University Institutional Review Board)
  and animal studies (Division of Laboratory Animal Medicine).
- Provides assistance to students, faculty, and staff in obtaining
  approval for teaching and research activities pursuant to
  relevant regulations.

- Delivers support services for the Northeastern University
  Institutional Review Board and the Institutional Animal Care
  and Use Committee.
- Ensures university-wide compliance with federal, state, and
  university statutes and regulations relating to the protection of
  human subjects, to the care and use of animals in research and
  teaching, and to research and scholarly integrity.
- Collaborates with the university units responsible for health and
  safety, particularly with the University Environmental Health
  and Safety and Radiation Safety committees.

Office of Environmental Health and Safety

229 Forsyth Building
617.373.2769
www.ehs.neu.edu

Office of Environment Health and Safety (EHS) manages and
implements a comprehensive set of programs for all faculty, staff,
and students at Northeastern University. The goal of EHS is to
provide consultation to the many different departments so that a
safe and healthy working environment is maintained.

In addition, audit services are provided to ensure that
Northeastern University fulfills obligations to be in compliance
with all occupational health, safety, and environmental rules and
regulations.

INFORMATION SERVICES

Information Services Customer Service

Information Services Help Line: 617.373.HELP (4357)
Customer Service, Main Office: 617.373.3300
www.northeastern.edu/infoservices
Email: help@neu.edu

As the front door to the entire information services organization,
Information Services Customer Service (ISCS) is the first point of
contact the Northeastern community has to the world of
information technology. Comprising the InfoCommons (Computer
Help Desk and computer lab), the Information Services Help Line,
ResNet, and other computer labs, ISCS is dedicated to increasing
the productivity and satisfaction of faculty, staff, students, and
alumni using information technology at Northeastern University.

CLASSROOM AND EVENT MEDIA SUPPORT
617.373.HELP (4357)

Located in the InfoCommons in 184 Snell Library, these
services, previously known as Campus Media Services, provide
media equipment and technical support for classroom
instructional activities and university-related functions. Our staff
also offers training on media equipment and advice about
equipment selection if you are preparing for an in-class
presentation. Visit the student section of the ISCS website,

www.northeastern.edu/infoservices, for detailed information about technology-enhanced classrooms on the Boston campus.

INFORMATION SERVICES HELP LINE
617.373.HELP (4357)
Email: help@neu.edu

The Information Services Help Line provides troubleshooting services over the telephone to students, faculty, staff, and alumni for computers that are connected to NUnet. The help line staff also offers support for university-owned printers and other networked devices and answers general computing questions. Contact the Information Services Help Line for the following services:

- Troubleshooting NUnet applications problems (Microsoft Office products, Netscape, NUnet email, and other applications available from NUnet).
- Investigating network connection problems (email problems or Web browser issues).
- Troubleshooting network printer problems (to make sure the printer has connectivity to the network).
- Performing hard-disk analysis (including chkdsk and ScanDisk).
- Checking memory configurations and virus scanning.
- Verifying or reinstalling NUnet configuration information.
- Installing the NUnet configuration for NICs (network cards) and environmental settings.
- Facilitating NUnet port installations, moves, and removals.
- Scheduling hardware repairs made by third-party vendors.
- Assisting students with myNEU and Blackboard questions.
- If it is determined that a student's computer problem is the result of a hardware failure, the center can arrange for the university's third-party repair company to fix the equipment.

Computer Help Desk

InfoCommons, 184 Snell Library
617.373.3183
Email: help@neu.edu

The Help Desk, located in the InfoCommons, provides walk-in assistance for computer-related issues to students, faculty, staff, and alumni with a valid Northeastern ID. Our friendly and courteous staff will be happy to assist you by performing the following services:

DROP-IN SERVICES

- Email and Northeastern University's Windows-based desktop operating system (NU32) account requests
- Macintosh and PC virus detection and cleaning
- myNEU and Blackboard assistance
- Diskette and file recovery
- File conversions
- Computer help handouts, pamphlets, and software manuals
- Self-service scanning
- Basic operating system support for MS Windows (XP/NT/2000) and Mac OS 9.0 and higher
- General computing help

SERVICES AVAILABLE BY APPOINTMENT
- Instruction on Macintosh and PC text/image scanning
- Laptop support for virus scanning and Internet connectivity

Computer Labs

www.northeastern.edu/infoservices

ISCS manages four teaching labs in Dockser Hall and all labs in the InfoCommons on the main (Boston) campus.

ISCS supports the network and applications for the College of Professional Studies' downtown, Burlington, Dedham, and Ryder Hall teaching labs. All labs are equipped with Intel-based desktop machines running NU32. A complete listing of all ISCS lab locations and hours is available on the website.

myNEU Portal

myneu.neu.edu

The myNEU portal is a comprehensive, Web-based service that addresses students' academic, personal, and recreational needs by providing a single integrated point of access to useful information, people, and processes.

The myNEU portal consists of a variety of services, including email, information channels, financial aid, and online course registration.

To sign up for a myNEU account, or for more information about current and planned myNEU portal services, please visit myneu.neu.edu or click on the myNEU icon on the university home page.

ResNet

Speare Commons
6 Speare Place
617.373.HELP (4357)
www.northeastern.edu/infoservices
Email: resnet@neu.edu

ResNet, a service of Information Services and Housing Services, provides Internet access to all students living in Northeastern-owned residence halls. ResNet also provides support for the HuskyCable TV service.

Safety, Security, and Appropriate Use
Enterprise Security Services endeavors to provide a safe, secure, and available computing-system environment. Working with other departments on campus, Enterprise Security Services publishes systems and technology configuration standards and recommends practices that help protect the confidentiality, integrity, and availability of data and applications.

Enterprise Security Services analyzes and assesses risks and threats, recommends risk-reduction strategies, promotes security awareness, coordinates responses to security breaches and inappropriate use, and works with legal and university entities to pursue appropriate disciplinary actions in cases of technology abuse.

All individuals using Northeastern University computing resources are required to follow the Appropriate Use Policy (AUP), a detailed set of rules and regulations that explain proper use of university computing resources. The AUP provides a blueprint for a safe and productive computing environment. Please take the time to familiarize yourself with the AUP, which is available online at www.northeastern.edu/infoservices.

Training Services

InfoCommons, 184 Snell Library
617.373.5858
www.help.neu.edu
Email: training@neu.edu

ISCS Training Services provides the following instructor-led and Web-based courses to all members of the Northeastern community:

- **Web-based training.** In conjunction with the Boston Consortium and online-training provider Element K, ISCS Training Services offers computer training over the Internet. This innovative, self-paced learning method allows students, faculty, and staff to train anytime or anywhere, using a computer with an Internet connection. You must have a log-on and password to access Element K online training, both of which can be acquired during Element K demonstration classes.
- **Office productivity software.** QuickStart classes teach a specific skill in ninety minutes. Workshops provide more in-depth instruction, often consisting of two or three classes within a week. A fee is associated with workshops; consult the website for more details.
- **Practical skills.** Practical skills workshops focus on day-to-day abilities essential for success in the classroom and the workplace. Designed with the student in mind, the workshops are available at no charge to the entire university community.

To register for a class, visit the website or call 617.373.5858.

The Educational Technology Center

215 Snell Library
617-373-3157
www.northeastern.edu/edtech

The Educational Technology Center (EdTech Center) is Northeastern University's hub for the exploration, development, and dissemination of technology to enhance teaching, learning, and research. The center is also an agent of change, helping to formulate policy on technology-supported teaching, learning, and research. The EdTech Center works with deans and faculty to identify the resources needed to develop innovative learning environments. Visit the EdTech Center's website at www.northeastern.edu/edtech to learn more about our services.

Enhance your teaching: Opportunities are available to augment your courses by adding innovative learning tools to your teaching. Visit the site to access tips for designing and managing online course components, managing online interactions, and using Northeastern's learning management system, Blackboard. There are opportunities to learn the latest theories in Web-based pedagogy and discover ways to address common issues confronting the online instructor and the classroom teacher integrating technology.

Learn new skills: Opportunities are available to acquire new technology skills at one of our workshops or from home using our self-paced tutorials and online documentation. Also, visit the EdTech website.

CAMPUS RESOURCES

Institutional Diversity and Equity

Office of Institutional Diversity and Equity
125 Richards Hall
617.373.2133
617.373.5814 (TTY)
www.northeastern.edu/diversity

Students who feel that they have been victims of discrimination or sexual harassment may file a complaint with the Office of Institutional Diversity and Equity. Representatives from the Office of Institutional Diversity and Equity can advise and assist students in a variety of ways, including direct intervention and referral to a more appropriate office.

Discrimination is unfair treatment or denial of normal privileges because of race, color, religion, religious creed, genetics, national origin, ancestry, age, gender, sexual orientation, disability, or veteran status. Discrimination also includes failure to treat all persons equally where no reasonable distinction can be found between those favored and those not favored.

Northeastern University has pledged to provide all students with a nondiscriminatory academic environment, free of intimidation, coercion, and unfair treatment in all matters involving admission and registration and in all official relationships, including the evaluation of academic performance.

Northeastern will not condone any form of retaliatory activity against any person who brings a complaint of discrimination or harassment or who cooperates in the investigation of one. (See "Grievance Procedure—Sexual Harassment" under "General Regulations," page 39.)

Sex discrimination in the form of sexual harassment is also prohibited. It is university policy that no faculty member, teaching assistant, or individual responsible for instruction be allowed to exercise his or her authority in such a manner as to make submission to or rejection of such conduct the basis for academic decisions affecting a student or to create for the student an intimidating, hostile, or sexually offensive environment.

Sexual harassment includes sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature when submission to or rejection of such behavior is made a term or a condition of an individual's employment, academic evaluation, or educational decisions or when such conduct

unreasonably interferes with an individual's work or academic performance by creating an intimidating, hostile, or sexually offensive work or academic environment.

No faculty or staff member involved romantically or sexually with a student may teach or supervise that person either individually or as part of a group in any activity connected to the university. In addition, no supervisor may evaluate an employee's job performance if he or she is romantically or sexually involved with that employee.

When sexual harassment is not reported, the harasser's behavior goes unchecked and others may also suffer needlessly. Every member of the Northeastern University community has the right to bring a complaint of discrimination or harassment, the duty to refrain from engaging in unlawful discriminatory or harassing behavior, the responsibility to report discriminatory or harassing behavior that may come to his or her attention, and the obligation to cooperate fully in the investigation of discrimination or harassment complaints.

To ensure that memories are fresh and to provide adequate opportunity for resolution, investigation, and response, a complaint of discrimination should be reported as soon as possible and no more than 300 days after the incident occurred.

For more information about sexual harassment, and especially for assistance in reporting incidents of suspected harassment, contact the Office of Institutional Diversity and Equity at 617.373.2133 and/or members of the Sexual Harassment Network. Network members are university employees who serve on a voluntary basis and are trained in applicable law, university policy and procedures, and communication and crisis intervention. For more information about the Sexual Harassment Network, contact the Office of Institutional Diversity and Equity at 617.373.2133 and/or visit the website at www.northeastern.edu/diversity.

The John D. O'Bryant African-American Institute

40 Leon Street
617.373.3143
www.northeastern.edu/aai

The John D. O'Bryant African-American Institute (JDOAAI) offers a variety of academic services, programs, and cultural activities for Northeastern students and students of African origin in particular. The mission of the JDOAAI is to provide culturally focused programs, resources, services, and activities that nurture and contribute to the academic success of students of African origin at Northeastern University. The major goal of the JDOAAI is to support the recruitment, retention, and graduation of students it serves. Moreover, the JDOAAI is a link between the surrounding black community and Northeastern University.

Founded in 1968, the institute was later named in honor of John D. O'Bryant, the first African-American to be appointed a Northeastern University vice president.

The institute is involved in the following activities:

- Administers the Dr. Martin Luther King Jr. Graduate Fellowship Program. In keeping with the high standards exemplified by Dr. King, recipients should be of African origin, demonstrate high standards of leadership, and have a record of community service. The scholarship covers full tuition and general fees for the student's graduate program. Each academic year, up to nine graduate students may be selected.
- Includes the Ujima Scholar access program, the Legacy mentoring program, and a long-standing tutoring program.
- Houses a special collections library on Africans in the Diaspora, the Reggie Lewis Technology Center, a multimedia conference room, and the Amilcar Cabral Memorial Student Center.
- Sponsors cultural, educational, and social events for students, the university, and the local community.
- Connects students to volunteer community service and employment opportunities.

Career Services

103 Stearns Center
617.373.2430 (voice)
617.373.4231 (fax)
www.northeastern.edu/careerservices
Email: careerservices@neu.edu

Career Services provides resources, guidance, and opportunities that help students and alumni with the following:
- Choose a major and explore career options that fit their unique attributes
- Make career decisions that will engage them in productive and fulfilling work
- Prepare for and conduct successful job searches
- Create meaningful and effective engagement with employers
- Contribute to meeting global and societal needs

Northeastern's Career Services does not guarantee employment nor do student referrals to prospective employers regarding job openings.

Office of Alumni Relations

716 Columbus Avenue, 190 CP
617.373.2656 (voice)
617.373.8522 (fax)
www.northeastern.edu/alumni
Email: alumni@neu.edu

STUDENT/ALUMNI CONNECTIONS

The Office of Alumni Relations considers student affiliation a critical component of its success and offers many opportunities for students to become actively involved:
- Student/alumni association
- 5 Under 25: young alumni success stories
- Senior gift drive

ALUMNI

Graduates of Northeastern University automatically become members of our 197,000-strong alumni community. Membership is free and qualifies you for a variety of benefits and services:

- University libraries access
- Career services
- Discounted membership at three campus recreation facilities
- University bookstore discount
- Northeastern University Alumni magazine
- E-line, the monthly alumni electronic newsletter
- Northeastern University credit card
- Northeastern Club of Boston
- Group discount on auto and homeowners insurance
- Volunteer opportunities
- Networking programs and events
- Alumni regional chapter events
- Alumni admissions program
- The Northeastern Fund
- Alumni website
- Online alumni directory
- Address updates
- Email forwarding
- Event registration

As a student, you are strongly connected to the Northeastern community. Maintaining a connection to the university as an alumnus/a provides a vital link to the many programs and benefits available through the Office of Alumni Relations, while also helping to develop a rich, vibrant alumni community. Contact the Office of Alumni Relations for more information.

Arts on Campus

CENTER FOR THE ARTS
www.northeastern.edu/camd/about/center-for-the-arts/

ARTS TICKET CENTER
NU Box Office
109 Ell Hall
617.373.4700 (voice)
617.373.8988 (fax)

Window Hours: Monday–Friday, noon–6:00 PM
One hour before all performances

Campus Recreation
Marino Center
617.373.4433
617.373.2885 (TTY)
www.campusrec.neu.edu

Badger & Rosen Squashbusters Center
795 Columbus Avenue, Boston
617.373.7782 (voice)
617.373.7370 (fax)

Northeastern University Bookstore
Main Campus
Curry Student Center, ground floor
617.373.2286
http://northeastern.bncollege.com

The bookstore operates during the entire academic year, but days and hours may vary in accordance with the university's calendar.

Purchases can be made by cash, check, American Express, MasterCard, VISA, Discover, or Husky Card.

Russell J. Call Children's Center
1 Fencourt Street (alley right after Qdoba Restaurant)
617.373.3929
Regina Nazzaro, Director

The Russell J. Call Children's Center is available to faculty, staff, and students; children from two years and nine months to five years of age are eligible to attend.

The center is licensed by the Massachusetts Department of Early Education and Care and staffed by professional teachers and co-op and work-study students.

Tours and enrollment information are available at the center or by emailing r.nazzaro@neu.edu.

The Center of Community Service
304 Columbus Place
617.373.5809 (voice)
617.373.5608 (fax)
www.northeastern.edu/communityservice

The Center of Community Service provides students, staff, faculty, alumni, and community-based organizations with a central source of information and expertise on community service and service-learning. The center supports Northeastern's long tradition of service to the community and aims to strengthen and expand current offerings, encourage greater connections between community service and academic study, and increase individual and group participation in community service activities.

The center coordinates and sponsors programs and services including:

- A website with a volunteer clearinghouse database and other information
- A Promise Station website with information about how to get involved with on-campus programs that partner with the community
- SHARE (Students Helping Adults with Reading and English) ESOL program
- Service-learning workshops and technical support, along with the Faculty Service-Learning Course Development Grant
- The Massachusetts AmeriCorps Promise Fellowship program
- Community service work-study placements
- A monthly e-newsletter of service, grant, scholarship, and workshop opportunities
- Fall and spring volunteer fairs

- Martin Luther King Jr. day of service
- NU service day
- An alternative spring break program
- Presentations and advising for student groups, departments, and classes

NU Reprographics
617.373.2766 (voice)
617.373.5213 (fax)
Ell Hall (tunnel) and Forsyth Building (tunnel)

At NU Reprographics, students can make copies of term papers, overhead transparencies, or any other important document. Services can be paid for by cash, personal check, or Husky Card.

Services include self-serve and high-speed copying, graphic design, digital color copying, printing, fax transmission, and binding.

For more information about NU Reprographics, call or drop by for a brochure.

Disability Resource Center
20 Dodge Hall
617.373.2675 (voice)
617.373.2730 (TTY)
617.373.7800 (fax)
www.northeastern.edu/drc

The Disability Resource Center (DRC) strives to create an environment in which all are empowered to make their unique contributions to the rich academic and social life of Northeastern. Its staff takes a creative approach to assisting students who have disabilities or who are Deaf or hard of hearing by providing services that will enable them to succeed.

In accordance with federal laws and guidelines, services cannot be provided unless acceptable documentation is submitted to the DRC. Students must provide recent diagnostic documentation indicating that the disability substantially limits one or more major life activities. They must also register with the DRC and meet with a counselor.

Students who are disabled, Deaf, or hard of hearing are strongly encouraged to contact the DRC upon their acceptance to Northeastern. It is also most beneficial to schedule a meeting with a DRC counselor at least three months prior to arriving on campus in order to register and request services. Early contact with the center will allow enough time to assemble the required diagnostic documentation, register at the DRC, and set up services.

Services are individually tailored on a case-by-case basis to meet each student's needs. Support services are available for, but are not limited to, students with a documented diagnosis of learning disabilities, blindness or visual disabilities, mobility disabilities, deafness or hard of hearing disability, head injuries, psychiatric disorders, degenerative or chronic conditions, HIV-positive status or AIDS, and temporary disabilities.

The center's services include examination modification and accommodation; disability-related academic advising and course modification; note-taking services; readers and scribes; sign-language interpreters and transliterators; computer-aided, real-time information about classrooms' accessibility; advising and referral services; campus orientations; acquisition of assistive listening devices, Braille materials, taped textbooks, and raised-line drawings; and assistive technology, such as the Reading Edge machine. The center also provides liaison, advocacy, and training services for faculty, staff, and administration and coordinates special-interest groups.

DRC does not provide personal care assistance (PCA) services; the center will provide referral to local PCA service agencies, such as the Boston Center for Independent Living, www.bostoncil.org.

Northeastern does not offer transportation services; however, public transportation in greater Boston is run by the Massachusetts Bay Transportation Authority (MBTA), which offers a curb-to-curb transportation service known as The Ride for persons with disabilities. Several stops on the Orange Line branch of the MBTA subway system are very convenient to the Northeastern campus. See www.mbta.com for more information.

Graduate Student Government
104F Ell Hall
617.373.4502
www.northeastern.edu/gsg
Email: GSG@neu.edu

The Graduate Student Government (GSG) represents graduate students at Northeastern University, serving as a liaison among the administration, faculty, staff, students, and trustees. The role of the GSG is to address the professional, financial, social, and representative needs of the graduate community as follows:
- Seeks to improve the quality of graduate student life, academic affairs, and research.
- Offers access to professional development resources and networking.
- Facilitates cooperation among the graduate student groups and organizations.
- Distributes the graduate activity fee.
- Sponsors graduate orientation and graduate senior week activities.
- Fosters interdepartmental and intercultural communication and appoints graduate representatives to serve on university committees. All graduate students are eligible to be part of the GSG General Assembly. Representatives from the eight graduate and professional schools and graduate student organizations assist the Executive Board in the affairs of this governing organization. The General Assembly meets regularly during the fall and spring semesters in the Senate Chambers, 333 Curry Student Center. Meetings are open to all students.

Counseling and Student Development

University Health and Counseling Services
Forsyth Building, Suite 135
617.373.2772
www.northeastern.edu/uhcs
Email: UHCS@neu.edu

The University Health and Counseling Services team is eager to serve you. We hope that you will use our center as a resource to help stay healthy, physically and mentally, and for care when you are ill or injured, depressed or stressed.

International Student & Scholar Institute

405 Ell Hall
617.373.2310 (voice)
617.373.8788 (fax)
www.northeastern.edu/issi

The International Student & Scholar Institute (ISSI) offers a vast array of programs and services to more than 6,500 international students and scholars who represent approximately 140 nations.

The ISSI also works to promote meaningful interaction and intercultural understanding among citizens of other countries and their peers from the United States, providing educational and cultural enrichment opportunities for all members of Northeastern and the community at large.

The ISSI oversees the Student and Exchange Visitor Information System (SEVIS) at Northeastern, as mandated by the U.S. federal government, in order to ensure compliance with regulations and procedures affecting those international students and scholars in specified nonimmigrant visa classifications.

Affiliation with the ISSI begins with the orientation program and continues through such initiatives as the ISSI's two-month cultural festival, "International Carnevale," which celebrates the cultural diversity of the entire university community. For a list of ISSI services and programs, visit the website.

International students must maintain full-time status at Northeastern to be in compliance with immigration and SEVIS regulations. Also, they must not engage in any type of employment unless previously authorized by the ISSI. Note that timely registration for courses is especially important so that they may remain in compliance with current federal regulations. They should consult with the ISSI if they have questions about their individual status.

Latino/a Student Cultural Center

104 Forsyth Street
617.373.5845 (voice)
617.373.7888 (fax)
www.northeastern.edu/latino-spanish

The Latino/a Student Cultural Center (LSCC) integrates the academic, cultural, and social endeavors of Northeastern's Latino/a students. The LSCC houses the Latino, Latin American, and Caribbean Studies minor and is a hub of interaction for Northeastern Latino/a faculty, staff, and students. Through community service, outreach, and programming, the LSCC also links the university and its urban neighbors. The LSCC welcomes all Northeastern students.

Programs and services include academic and personal advising, student-development workshops, cultural programs, the LaCLA (La Comunidad Latina en Acción) scholarship, Latino/a student leadership opportunities, LaCLA peer tutoring, student employment opportunities, and community outreach and service-learning opportunities.

The LSCC also provides connections to Latino organizations on and off campus, access to Latino newspapers and magazines, new student orientation and Welcome Week events, a holiday toy drive and Three Wise Men celebration, LSCC luncheon lecture series (Series Socioculturales), and Hispanic Heritage Month celebrations.

Lost and Found

617.373.2757

Lost and Found is in Building Services, located in Room 22 of the Curry Student Center (on the ground level of the Curry Center just next to the bookstore).

Off Campus Student Services

226 Curry Student Center
617.373.8480
www.northeastern.edu/offcampus
Email: offcampus@neu.edu

Off Campus Student Services provides a wide range of information, resources, and educational workshops for students who are interested in living off campus or who already live off campus.

The office provides assistance in searching for off-campus housing, finding roommates, and learning more about the communities surrounding Northeastern University. Our website offers a host of resources including an apartment registry, information on transportation, and City of Boston municipal offices, as well as contact information for area real estate professionals.

Off Campus Student Services publishes a monthly e-newsletter that provides valuable tips and information on upcoming programs and events both on campus and off campus. Individuals interested in receiving our newsletter can email us at offcampus@neu.edu or stop into the office Monday through Friday.

For more information, please visit our website at www.northeastern.edu/offcampus.

Parking

Student Financial Services
354 Richards Hall
617.373.2366
www.northeastern.edu/parking

Parking spaces in the university lots and garages are filled on a first-come, first-served basis. To park in a university lot or garage, students must have a valid parking permit displayed on their vehicles. A parking permit does not guarantee a parking space.

New students may purchase a day-parking permit. Only eligible students will receive a permit. To be eligible, students must be registered for a class or on co-op. The cost of the permit will be charged to the student's tuition account.

Overnight parking permits are limited and preference is given to those students on co-op or clinical internships. Upperclass students in classes may be denied overnight parking due to limited availability.

Applications for semester and overnight parking permits are available online at www.applyweb.com/apply/neup/menu.html.

To park in a handicap space, individuals must purchase a parking decal and display a state-issued handicap license plate, placard, or hangtag. Handicap parking spaces are located throughout campus.

Operators of vehicles driven or parked on university property are responsible for knowing and complying with university driving and parking regulations.

Please refer to the parking website for more information, or contact University Police at 617.373.2121.

Public Safety

Public Safety Division Administrative Offices
100 Columbus Place
617.373.2696
www.northeastern.edu/publicsafety

Police Operations Center
100 Columbus Place
Police, Fire, or Medical EMERGENCY 617.373.3333
TTY Emergency or nonemergency 617.373.3934 (TTY)
Nonemergency regular business 617.373.2121
Personal Safety Escort Service 617.373.2121
www.northeastern.edu/publicsafety/services/escort.html

The Public Safety Division's mission is to provide a comprehensive program of police, security, fire safety, and emergency medical services to help ensure the campus remains a safe and pleasant place to live, work, and learn.

The University Police Department is the largest and most visible unit of the division and consists of professionally trained officers charged with the protection of life and property and the prevention and detection of crime on campus. University police officers have the same authority as municipal police officers and enforce both the Massachusetts laws and university regulations. Regulations mandate that students show their university ID cards whenever requested to do so by any university police officer. For more information, visit www.northeastern.edu/publicsafety/.

The Public Safety Division takes pride in its comprehensive plan to minimize crime and protect the safety of the Northeastern community. But the division needs students' help and urges students to take responsibility for creating and maintaining a safe and secure environment. For tips on safety around campus and in the neighborhood, pick up a brochure or visit the website.

Fire egress drills are held each semester in all residence halls to familiarize residents and staff with the alarm system and the evacuation routes. Special fire safety and evacuation training is provided for students, faculty, researchers, and staff in high-risk laboratories. All building occupants are required to participate when an egress drill is held. For tips on fire safety, pick up a brochure or visit the website.

The Personal Safety Escort Service provides a door-to-door escort from one on-campus location to another whenever personal safety is a concern. After receiving your call, the university police dispatcher will assign an officer or co-operative education cadet within ten to fifteen minutes (if necessary, the dispatcher will advise you of any expected delays).

A special, nighttime off-campus escort service runs from dusk to dawn to transport students who reside within approximately one mile of the campus from the campus to their residence after dark. The only destination this service will take you to is your residence. A van stops at Snell Library and the Ruggles Public Safety Substation on the hour from 7:00 PM to 6:00 AM to pick up students.

If you are sexually assaulted, either by a stranger or an acquaintance, get to a safe place, then telephone the university police and a friend or family member. A university police officer who is a state-certified sexual assault investigator will meet with you and address your physical and emotional needs, as well as inform you of your rights and options regarding filing charges against the perpetrator. The police will provide you with important information about on-campus as well as off-campus counseling services as well as other options regarding changing your residence or class schedule.

If the sexual assault took place off campus, the university police department can still provide emergency medical treatment, transportation to a medical facility, and counseling referrals. However, the criminal investigation of such cases is the responsibility of the police department that has jurisdiction in the locale where the assault took place, and university police will assist you with making contact with the appropriate agency.

Publications and Media

Check the following sources to find out what's happening in the Northeastern community. For more information on any of the student media, contact the assistant director for student activities at 617.373.4379.

STUDENT-RUN MEDIA

Huntington News
295 Huntington Avenue #205
857.362.7325 (editorial)
857.362.7323 (advertising)
857.362.7326 (fax)
huntnewsnu.com/

Onyx Informer (multicultural publication)
430 Curry Student Center
617.373.2250
www.dac.neu.edu/onyx

WRBB–104.9 FM
174 Curry Student Center
617.373.4338
wrbbradio.org/

Spectrum (literary and art magazine)
430 Curry Center
617.373.2250
www.spectrum.neu.edu

UNIVERSITY MEDIA

The Office of University Communications is always looking for news and ideas from students and encourages all Northeastern students to be in touch about their accomplishments, involvement with campus activities, interesting and unusual co-ops, and the good work of student organizations. Call 617.373.5471.

Northeastern Voice (faculty and staff newspaper)
Office of University Relations
598 Columbus Place
617.373.5446 (voice)
617.373.8631 (TTY)

Northeastern University Magazine (alumni magazine)
Office of University Relations
598 Columbus Place
617.373.5724 (voice)
617.373.8631 (TTY)
www.northeastern.edu/magazine

Media Relations
598 Columbus Place
617.373.5471
www.nupr.neu.edu

The Spiritual Life Center

203 Ell Hall (Office)
201 Ell Hall (The Sacred Space)
617.373.2728
www.northeastern.edu/spiritual_life
Email: spiritual.life@neu.edu

The Spiritual Life Center serves, supports, nurtures, and celebrates the spiritual well-being of all at Northeastern University. Staff and chaplains from a variety of faith traditions are available for conversation and guidance. The center respects and embraces religious and spiritual diversity by both emphasizing the common spiritual values that underlie our various faiths and offering productive opportunities to explore our differences.

The goal of the center is to be a welcoming community for people of all faiths and spiritualities and to create a vibrant and safe environment for those who wish to explore spirituality in ways that are new and challenging. The center welcomes and encourages students to participate in its wide range of ongoing programs that engage many aspects of spirituality and religion, interfaith dialogue, wellness, diversity, and pastoral care.

Visit the website for a list of staff and chaplains, student groups, places of worship close to campus, a calendar of events, and information about Northeastern's Sacred Space.

John A. and Marcia E. Curry Student Center

434 Curry Student Center
617.373.2663
www.northeastern.edu/curry

This campus "living room" serves as a hub of student activity. It is the crossroads of community life at Northeastern, offering cultural, social, and recreational programs and services.

The center offers ATM machines, an art gallery, the afterHOURS late-night club, food court and cafeteria, game room, lounge space, meeting rooms, Starbucks Coffee, student organization offices, TTY machines, a TV viewing area, and WRBB-FM.

Student center facilities may be reserved by recognized student organizations and university departments. The university reserves the right to limit the use of its facilities when the general public is involved.

To share your ideas about the Curry Student Center or participate in its governance, contact the Student Center Governing Board at 617.373.2663.

Student Conduct and Conflict Resolution

202 Ell Hall
617.373.4390
www.northeastern.edu/osccr

The Office of Student Conduct and Conflict Resolution administers the Code of Student Conduct, which is included in this catalog, and the student disciplinary process. The code establishes and defines university community expectations for standards of behavior and responsibility, as well as rights and remedies provided to all university community members. The office is also responsible for the design, development, and implementation of the university mediation program.

Programs and services provided by the Office of Student Conduct and Conflict Resolution are designed to support the academic mission of the university by enhancing each student's academic achievement and personal, ethical, and character development. These programs are intended to promote community standards of behavior, positive and productive conflict

management and resolution, civility, respect for self, respect for others, and an appreciation for being a part of a diverse, flourishing community.

College Expenses

Tuition

Graduate Program	Cost per Credit Hour
Applied Behavior Analysis	$ 860
Arts, Media and Design	1,180
Audiology (AuD) (per term)	10,195
Audiology (AuD) clinical	7,575
Bioinformatics	1,245
Bouvé College of Health Sciences	1,175
Business Administration, including online graduate programs	1,345
College of Professional Studies—Doctorate in Education	583
College of Professional Studies—Graduate on campus and online (excluding MEd and MAT)	545
College of Professional Studies—MEd and MAT quarter programs	448
Computer and Information Science	1,265
Engineering	1,270
Executive MBA (full program)	88,495
Health Informatics	1,045
High-Tech MBA	1,430
Marine Biology	1,060
MS in Accounting	1,345
MS/MBA (full program)	57,590
Nurse Anesthetist clinical (in addition to tuition)	2,965
Nursing, direct entry (per term)	13,600
Physical Therapy—postbaccalaureate direct entry (DPT) (per semester)	13,535
Physical Therapy—postbaccalaureate direct entry (DPT) clinical (per semester)	9,405
Physician Assistant (per term)	9,675
RN to BSN online	655
School of Technological Entrepreneurship	1,265
Science	1,175
Social Sciences and Humanities	1,175
Dissertation (flat rate)	Equivalent to 1.5 times the college per-credit-hour rate listed above
Master's or doctoral continuation fee (flat rate)	Equivalent to the college per-credit-hour rate listed above

Fees

Item	Fee
Student center fee (per term, Boston campus only)	$ 70 full-time 10 part-time
College of Professional Studies student center fee (per quarter, Boston campus only)	8.25
Student recreation fee (per term)	46 full-time 15 part-time
College of Professional Studies student recreation fee (per quarter, Boston campus only)	10
Student activities fee (per year, Boston campus only)	12
Health and counseling fee	225
Health plan fee (yearly, optional)	2,249
Parking (optional, per semester)	TBA
International student fee	250

Refund Policies

Inquiries about credit balances should be directed to Student Accounts. Credit balances will be refunded to the student unless otherwise directed by the student or the bill payer.

Please note the following exception:

• Payment plans—Credit balances created from overpayment to the monthly payment plan will be refunded to the bill payer on record unless a letter of authorization, stating that funds may be released directly to the student, is received from that borrower.

Official Withdrawal Adjustments

Students who officially withdraw, either from a course or from the university, during an academic term will receive a tuition refund based on the policy specified in this catalog. Institutional funds awarded by Northeastern University will be adjusted based on the actual charges incurred during the semester. Funds from federal Title IV programs will be returned to the government according to federal regulations. The federal government return-of-funds policy dictates that a student's eligibility for federal financial aid is determined by the number of days enrolled during the semester. The refund will be calculated from the day the student submits a notification of withdrawal to the registrar's office.

Tuition credits are granted through the first five weeks of a semester or first four weeks of a half-semester, based on the date of the official withdrawal processed by the registrar's office.

Nonattendance does not constitute official withdrawal. Credit policies vary according to the duration of the course. Typical tuition adjustments are made according to the following schedule. (The first week ends on the Friday following the first day of classes.)

DURING FULL SEMESTER

During weeks one through three—100% refund
During the fourth week—60% refund
During the fifth week—40% refund
After the fifth week—no refund

SUMMER HALF SEMESTERS AND COURSES OFFERED IN PART-OF-TERM FORMAT

During weeks one through two—100% refund
During the third week—50% refund
During the fourth week—25% refund
After the fourth week—no refund

Medical Leave Tuition and Fee Adjustments

Medical and nonmedical leaves are granted when a student cannot complete the current academic period for health or personal reasons but is confident that he or she will reenroll within six months. Northeastern's medical and nonmedical leave policy states that all tuition paid for such periods of leave will be held by the university and applied to future charges. Outstanding balances (including unpaid balances) for the academic semester in which leave is taken are still due the university during that semester. Financial aid recipients should contact the graduate financial aid office to understand the effects on aid received. *Note:* Leave petitions are available in college deans' offices and specify the conditions and procedures under which leaves may be granted. Students who take leaves should be aware that more than six months on leave will cause many student loans to go into repayment.

Disability Resource Center Tuition Adjustments

Students who are registered with Northeastern's Disability Resource Center (DRC) and are approved for reduced course loads may be eligible to petition the center for tuition adjustments directly related to their documented disability. Students who take leaves should be aware that more than six months on leave will cause many student loans to go into repayment. Further information is available from the DRC.

<div style="background:red;color:white">FINANCIAL AID ASSISTANCE</div>

Student Financial Services

354 Richards Hall
617.373.5899 (voice)
617.373. 2897 (College of Professional Studies)
617.373.5714 (TTY)
www.northeastern.edu/financialaid
Email: sfs@neu.edu

Northeastern University is eager to assist students in developing a plan for financing a Northeastern education. Through a variety of options—federal financial aid, Northeastern's monthly payment plan, supplemental loans, and your own resources—a plan can be designed that will make your education costs affordable. Visit the Office of Student Financial Services on the Web at www.northeastern.edu/financialaid or call 617.373.5899 for additional information.

Federal Financial Aid

For many students, financial aid is a major element in making Northeastern University affordable. The Office of Student Financial Services is committed to working with you to identify federal financial aid options that can help make a Northeastern education affordable. To take advantage of federal financial aid programs, students must submit the Free Application for Federal Student Aid (FAFSA) form. Meeting priority filing dates will allow the review of your eligibility for all available financial aid programs. The priority deadline for graduate students is March 1. For information regarding your financial aid application, please visit the myNEU Web Portal (myneu.neu.edu), click on the "Self-Service" tab, and select "My Financial Aid Status."

Students in the graduate colleges must meet the following criteria to be eligible for federal financial aid:

- Be enrolled in at least 6 semester hours per term for federal financial aid, unless you are on a co-op, clinical rotation, or residency or are enrolled in a full-time stand-alone course listed on www.northeastern.edu/registrar/ref-udc-fulltime.pdf
  Note: Although some programs may consider students enrolled in 4 credits to have half-time status, in order to qualify for federal financial aid, students must be enrolled in a minimum of 6 credits.
- Be citizens or eligible noncitizens of the United States
- Be matriculated in a degree-granting program
- Have received high school diploma or GED
- Be registered with Selective Service if required
- Not be convicted of a drug-related crime in the last year
- Not be in default from previous student loans
- Maintain satisfactory academic progress

How to Apply

File the FAFSA by March 1 in order to be considered for all available federal aid. Northeastern's FAFSA school code is 002199.

You will need your PIN to electronically sign your FAFSA online. If you do not have one or have forgotten your PIN, go to PIN.ed.gov to obtain one before starting the FAFSA online.

Awarding Timelines

New students are awarded on an ongoing basis throughout the spring after we have been notified that they have been accepted into their program.

Returning students who have met the March 1 priority filing deadline are awarded throughout the summer.

Typical Graduate Financial Aid Award

Students who file FAFSA will be eligible to receive up to $20,500 in a Federal Unsubsidized Stafford Loan, assuming that all eligibility requirements have been met.

For more information about Stafford loans, please visit www.northeastern.edu/financialaid/loans/stafford.html.

Graduate Assistantships and Scholarships

These positions and awards are offered directly by the individual graduate schools or academic departments. Students seeking such assistance should contact their graduate school for eligibility criteria.

To review a description of available graduate assistantships and scholarships, please visit www.northeastern.edu/financialaid /grants-scholarships/graduate.html.

Supplemental Student Loans

There are a number of attractive educational loan programs available to assist students in covering their expenses over and above any federal financial aid that may be awarded to them from Student Financial Services. Most private lenders have credit and income requirements that must be met before being approved for these programs. Additional information regarding private loans is available at www.northeastern.edu/financialaid/loans /supplemental.html. Student Financial Services recommends to students that, when researching the loan and lender that best meets their needs, they make sure they take into consideration the interest rate, origination, disbursement, or repayment fees and the quality of customer service.

General Financial Policies and Procedures

FINANCIAL AID POLICIES

Student Financial Services reserves the right to adjust a student's initial offer of assistance based upon information brought to the office's attention subsequent to extension of the offer, including things such as outside scholarships or revised family financial data.

APPEAL/CHANGE IN CIRCUMSTANCES

If the student feels that the aid process does not accurately reflect his or her situation, or if family circumstances change during the year, the student should notify his or her graduate student financial services counselor for further evaluation.

CHANGE IN ENROLLMENT STATUS

Students must notify Student Financial Services about any change in planned period of enrollment, whether due to withdrawal from a class, a leave of absence, a change in co-op or academic division, or withdrawal from the university.

OUTSIDE SOURCES OF AID

Students must notify Student Financial Services of any aid received from outside sources, such as scholarships. Receipt of outside sources of financial aid may require that financial aid offered by Northeastern needs to be adjusted.

REAPPLICATION PROCESS

Students must reapply for financial aid each year by filing the FAFSA. To receive priority consideration for aid, the federal processor must receive the FAFSA by March 1. There are two ways to file the FAFSA:

- Online at www.fafsa.ed.gov.
- By mail. Complete the FAFSA renewal form mailed by the processor each January. It is suggested that the FAFSA be mailed by February 15 to ensure timely delivery.

Students should not wait to file an income tax return before completing the FAFSA but use estimated information.

SATISFACTORY ACADEMIC PROGRESS

To continue receiving financial aid, graduate students need to maintain the academic requirements for satisfactory progress set forth by their college. Please refer to www.northeastern.edu /financialaid/policies/sap.html for more information about how satisfactory progress affects financial aid.

VERIFICATION

If a student is selected for verification, the Student Financial Services office is required to collect tax returns and other financial documents to verify the information provided on the FAFSA. Aid cannot be determined until this process is completed.

Student Accounts

354 Richards Hall
617.373.2270 (voice)
617.373.3881 (TTY)
617.373.8222 (fax)

The Student Accounts office assists students and their families in managing their tuition accounts along with the ancillary charges that are a part of student life on campus. Full payment of tuition, residence hall charges, and related fees is due before the start of each semester. The Student Accounts office answers questions about underload and overload charges, the billing process, late fees, payment methods, and itemized charges.

In addition to assisting students and families with managing their tuition accounts, Student Accounts also manages:

• University health insurance plan. Massachusetts state law requires that Northeastern bill all full-time students for health coverage and allow students to waive this plan if they can demonstrate that they have comparable coverage. Student Accounts provides information about this program through its website. Students can waive this cost online via the myNEU portal.

• Monthly payment plan options, which are available to students and their families to help spread the cost of anticipated tuition and fees over the course of several months. Student Accounts provides information about the options available, enrollment fees, benefits, and how the sign-up process is initiated. More information about these plans is available at www.tuitionpay .salliemae.com/northeastern.

Payment of Tuition

Full payment of tuition, residence hall fees, and other related charges is due before the start of each semester. Accepted methods of payment are:

• Check or money order, payable to Northeastern University.

• Funds wired directly to the university's bank: Fleet Bank, USA, 100 Federal Street, Boston, MA 02210, USA. Account #9429409686, ABA #026009593. Reference Northeastern University, student's name, and student account number.

• Through the monthly payment plan. Call 800.635.0120 or visit www.tuitionpay.salliemae.com/northeastern.

• Supplemental loans. Review options at www.northeastern.edu/financialaid.

Bills must be paid promptly. If a bill has not been received by the first week of the semester, please contact Student Accounts. Transcripts and other academic records will not be released until all financial obligations to the university have been met.

Discrepancies in Your Bill

Discrepancies in your bill should be addressed in writing to Student Financial Services, Student Accounts. Include your name, account number, dollar amount in question, date of invoice, and any other information you believe is relevant. Address correspondence to Student Financial Services, Student Accounts, 354 Richards Hall, 360 Huntington Avenue, Boston, MA 02115, or email studentaccounts@neu.edu. If there is a billing problem, pay the undisputed part of the bill to avoid responsibility for any late fees.

Late Fees

In cases where students default on financial obligations, the student is liable for the outstanding balance, collection costs, and any legal fees incurred by the university during the collection process.

Tuition Paid Directly by Employers

In those situations where the tuition is paid directly to the university by a third party, the student must provide Student Accounts with a purchase order or a written statement of intent to pay by the third party. If there are stipulations associated with the payment agreement, such as a minimum grade level, then the student must either pay the university directly or enroll in one of the payment options.

Tuition Reimbursement

Many companies, embassies, and agencies directly reimburse students for their educational expenses upon successful completion of courses. In these situations, the student is responsible for paying the bill at the beginning of the semester or selecting another payment option. Tuition may not be left unpaid pending reimbursement by a third party.

Tuition and Fees and Default Policy

Tuition rates, all fees, rules and regulations, and courses and course content are subject to revision by the president and the Board of Trustees at any time. In cases where the student defaults on his or her tuition, the student shall be liable for the outstanding tuition and all reasonable associated collection costs incurred by the university, including attorneys' fees.

Mandatory Student Health Insurance

The Commonwealth of Massachusetts requires that graduate students who are matriculating, carry a course load of 6 semester hours or more, or are enrolled in a full-time program have hospital insurance. Students who are covered under a comparable hospital insurance plan may waive the Health Services fee. To waive, visit www.myneu.neu.edu.

Academic Policies and Procedures

GRADUATE SCHOOLS ACADEMIC POLICIES

Please note that this information applies to both undergraduate and graduate students. Not all of the policies and procedures apply to both types of students. *Note:* International students must consult with International Student & Scholar Institute (ISSI) advisors concerning any of the following items in order to maintain compliance with Student and Exchange Visitor Information System (SEVIS) regulations and institutional policy. It is best to set up an appointment to discuss individual cases and learn about appropriate procedures to follow. Find ISSI contact information at www.northeastern.edu/issi.

Attendance Requirements

The university expects students to meet attendance requirements in all courses to qualify for credit. Attendance requirements vary; it is the student's responsibility to ascertain what each instructor requires.

Failure to meet attendance requirements may force a student to drop the course, as recommended by the instructor and the college.

Permission to make up work may be granted by instructors for reasonable cause. Requests must be made immediately upon a student's return to class.

Absence Because of Student Activities

If students must miss classes to participate in athletic contests or other forms of scheduled intercollegiate activity, they are entitled to makeup privileges. Faculty members may require a written statement from the administrator in charge of the activity.

Absence Because of Illness

A student who is absent from school for an extended period of time must inform his or her college by email from an official university email account or by telephone.

Absence Because of Religious Beliefs

The university maintains the following guidelines regarding student absences because of religious beliefs:

Any student who is unable, because of his/her religious beliefs, to attend classes or to participate in any examination, study, or work requirement shall be provided with an opportunity to make up such examination, study, or work requirement that he/she may have missed because of such absence on any particular day; provided, however, that such makeup examination or work shall not create an unreasonable burden upon such school. No fees of any kind shall be charged by the institution for making available to the said student such opportunity. No adverse or prejudicial effects shall result to any student because of availing himself/herself of the provisions of this section. (Massachusetts General Laws, Chapter 151C, Section 2B, 1985)

Absence Because of Jury Duty

Members of the university community are expected to fulfill their obligations to serve on a jury if called upon.

A student selected for jury duty should inform his or her instructors and/or activity advisors. They will provide a reasonable substitute or compensatory opportunities for any required work missed. Absence will not be penalized in any way.

University Leave of Absence Policies

GENERAL LEAVE OF ABSENCE POLICY

Students who wish to take a leave of absence are encouraged to apply for the leave by filing the proper petition with their college one month prior to the start of the semester during which they plan to take the leave. The usual limit for a leave of absence is one and one-half academic semesters (a semester plus a half semester). International students must contact the ISSI (www.northeastern.edu/issi) regarding specific leave of absence procedures. A leave of absence, if approved, will take into account the following conditions:

- Students who do not return at the end of the leave will be withdrawn and must submit a petition for subsequent readmission to the program.
- Students must return to classes, not cooperative education (co-op).
- Students must be currently enrolled in academic courses or co-op. If a student is withdrawn for any reason, a request for a leave of absence cannot be considered until the withdrawal is resolved.
- Students who receive financial aid should meet with a financial aid counselor before going on a leave.
- Students in university housing should refer to Housing Services for policy information.
- Students' enrollment status cannot include more than one academic year of consecutive nonclass enrollments.
- After the eleventh week of the semester, a student may apply for a leave of absence only for medical reasons or due to military deployment.
- Students who take leaves should be aware that more than six months on leave will cause many student loans to go into repayment. Students should see their financial aid counselor for more information on how their loans may be affected by a leave of absence.

EMERGENCY LEAVE OF ABSENCE

Emergency leaves may be granted when a student cannot continue attending class after the start of the term but is confident that he or she will reenroll at the university in a future term. International students must contact the ISSI. The university's emergency leave policy states that all tuition charged for the term in which the leave has been granted will be held by the university and applied toward future tuition charges in the same academic program. This would not apply if the leave of absence extends more than six months. Outstanding balances (including unpaid balances) for the academic term in which the leave is taken are still due the university. Tuition adjustments are made depending on the timing of the emergency leave. The adjustments would follow the same schedule as the official withdrawal adjustments. See page 21 for the schedule for refunds for complete withdrawal from the university. Financial aid recipients must contact their financial aid counselor to understand the effects on aid received.

RETURNING FROM A LEAVE OF ABSENCE

Students returning from an approved leave of absence may be required to submit to their college's student services office a notification of intent to return. It should be submitted no later than one month prior to the start of the semester in which they intend to return. Students are required to preregister for courses upon returning from a leave of absence. Students who are withdrawn and are applying for commencement may be reentered on a leave of absence, pending the college's approval, prior to the semester in which they will graduate. International students returning from a leave of absence should contact the ISSI regarding SEVIS procedures three to four months prior to anticipated return time.

LEAVE OF ABSENCE DUE TO MILITARY DEPLOYMENT

When a student in the Reserves or in the National Guard is called to active duty, the student must notify his or her college dean's office and provide proof of deployment prior to being deployed. The proof may be faxed, mailed, or hand-carried to the college dean's office. It may take the form of general orders cut by the company commander.

When a student is activated during the term, the university will:

- Excuse tuition for that term. Any payment made will be credited to the student's account.
- Expunge the student's record of registration so that the student is not penalized for being called to active duty.

If a student is called to active duty near the end of the term, the student and faculty members may determine that incomplete (I) grades are more appropriate. In this case, tuition will not be waived.

When a student returns to the university after completion of a tour of duty, he or she will notify the college dean's office. The college dean's office will assist the student with registration.

MEDICAL LEAVE OF ABSENCE POLICY

This option is offered by the university for a student who develops a major medical condition (physical and/or psychiatric) that precludes class attendance and/or completion of requirements and/or co-op.

Students must contact University Health & Counseling Services (UHCS) for review of their medical condition by the Medical Leave Team (MLT) to determine if their condition meets the criteria for a medical leave of absence (MLOA). A medical withdrawal is for the student who plans permanent departure from the university due to a major medical condition. The procedure for withdrawal is the same as for a MLOA. See page 21 for additional information concerning the MLOA policy. International students may contact the ISSI (www.northeastern.edu/issi) regarding possible impact of a MLOA on nonimmigrant status.

MLOA procedure

The UHCS MLT:

- Provides student with petition
- Reviews procedure with student and/or family
- Details required written medical documentation of:
  – diagnosis
  – prognosis
  – treatment plan, including any medications
  – why health care provider (HCP) believes student is unable to attend classes, complete requirements, and/or fulfill co-op responsibilities
- Explains necessity of meeting with the Customer Service Center and/or financial aid
- Describes what is expected of the student during leave in order to reenter, including the necessary written documentation
- Gives the student a copy of the petition when he or she has signed it, acknowledging understanding of procedure and requirements
- Informs applicable academic program that student is petitioning for a MLOA, requesting endorsement if approved by the MLT
- Reviews case when all necessary documentation received, providing decision within three weeks
- Notifies student's academic program of decision
- Notifies student of decision
- Forwards electronic copy of approved leave to:
  – registrar
  – academic program (which then notifies co-op)
  – Customer Service Center
  – Housing Services and/or ISSI when applicable

General information

- Students must receive treatment appropriate to their diagnosis by an applicable (e.g., mental health clinician for a psychiatric leave) licensed HCP and follow recommendations of the MLT.
- MLOA may be for one or two consecutive semesters; however, no longer than two consecutive semesters.
- If student is not reentered after two consecutive semesters, the registrar will automatically withdraw the student from Northeastern University "for health reasons."

- The date when request is initiated, and/or the nature of the student's condition, may mandate a two-semester leave.
- Tuition credit only.
- The student's transcript will show withdrawals (Ws) when a request is initiated after the third week.
- Students may not reside on campus during leave.
- A student on leave enrolled in Northeastern University's Student Health Insurance Plan (NUSHIP) will have insurance coverage for the duration of that policy year.
- Those enrolled in NUSHIP and withdrawn from Northeastern will have coverage for the duration of the policy year at reduced benefit levels.
- If the MLOA spans summer and fall semesters, students wishing coverage in NUSHIP's new policy year must contact the Customer Service Center in August to enroll.

Reentry from MLOA

After the student and/or family contacts the UHCS MLT to initiate the reentry process, the MLT does the following:

- Provides student with petition
- Reviews procedure with student and/or family
- Details required written medical documentation:
  – diagnosis
  – prognosis
  – treatment received during leave, including any medications
  – treatment plan—if applicable—when returned to classes
  – why HCP believes student now able to attend classes and complete requirements and/or fulfill co-op requirements
- Informs academic program that student is petitioning for reentry, requesting endorsement if approved by the MLT
- Reviews case when all necessary documentation received, providing decision within three weeks
- Notifies academic program of decision
- Notifies student of decision
- Forwards electronic copy of approved reentry to:
  – registrar
  – academic program (which then notifies co-op)
  – Customer Service Center
  – Housing Services and/or ISSI when applicable

General information

- Students must receive treatment appropriate to their diagnosis by an applicable (e.g., mental health clinician for psychiatric leaves) licensed HCP and follow recommendations of the MLT.
- Approval in time for registration requires that all required documentation is received by the MLT within two to four weeks prior to the term for which student is seeking reentry.
- Inadequate medical documentation or any information submitted less than two weeks prior to the term may preclude removal of the MLOA block in time to register.
- The MLT may stipulate that reentry is conditional, requiring the student to sign a contract agreeing to remain in treatment and provide ongoing documentation to the MLT. Failure to comply with the recommendations could result in denial of reentry or subsequent expulsion from the university.

- Reentry must be to an academic term, not cooperative education.

University Withdrawal

Students seeking to withdraw from the university for any reason should contact the student services office of their college.

Students may be withdrawn from the university for financial, disciplinary, academic, or health reasons. In the last case, a committee will review the recommendations of the director of health services to determine whether the student should withdraw. The student has an opportunity to present his or her case to the committee. Withdrawals are made only when it is determined that the student is a danger to himself or herself, or to other members of the university community, or when the student has demonstrated behavior detrimental to the educational mission of the university.

MEDICAL WITHDRAWAL

Permanent departure from the university due to the diagnosis of a major medical illness or injury, or psychiatric illness, necessitates a petition for medical withdrawal. The procedure follows that for the MLOA.

**COLLEGE OF PROFESSIONAL STUDIES
ACADEMIC POLICIES**

Absence Because of Illness

A student who is absent from school for an extended period of time must inform the college by letter, message, or telephone.

Medical Leave of Absence

The university offers this option for a student who develops a major medical condition (physical and/or psychiatric) that precludes class attendance, completion of requirements, and/or co-op/internship involvement.

Students must contact University Health and Counseling Services (UHCS) for review of their medical condition by the Medical Leave Team (MLT) to determine if their condition meets the criteria for a medical leave of absence (MLOA). A medical withdrawal is for the student who plans permanent departure from the university due to a major medical condition. The procedure for withdrawal is the same as for the MLOA.

REENTRY FROM MLOA

The student or his or her family must contact UHCS to initiate the reentry process.

Non–MLOA

Students seeking a leave of absence for any reason, other than medical, must consult with their designated Student Success Specialist or academic program designee.

Absence Because of Jury Duty

Students who miss class(es) or cannot meet assignment deadlines or exams because of this obligation must notify their instructors in writing, explaining which class(es), assignment(s), or exam(s) will be missed on which days. The instructors will work with students to make up missed assignments or exams. Upon completion of their jury duty, students must bring a copy of the documentation of their service to the appropriate instructors. Students involved in a co-op or internship are expected to inform their supervisors if called to jury duty.

Academic Internships and Cooperative Education

An academic internship or cooperative education placement is an opportunity for students to engage in a short-term workplace experience that is relevant to their academic course of study. The College of Professional Studies (CPS) cooperative education department makes every effort to work with students to identify experiential learning opportunities of three to six months to facilitate career exploration and transition. This program is an optional component of most degree programs. Students must qualify to participate. Please review the website for guidelines, academic requirements, and opportunities: www.cps.neu.edu/coop.

Academic Standing/Progress

The minimum cumulative grade-point average (GPA) that a graduate or doctoral student must maintain is 3.000. This standard and the following section on "Academic Warning, Probation, and Dismissa"l apply to all matriculated students regardless of when they began their studies at the CPS.

Students should review their grades and academic standing at the end of each term through their myNEU account. If there are any discrepancies, students should immediately contact the instructor(s) directly.

ACADEMIC WARNING, PROBATION, AND DISMISSAL

Notations of academic warning and probation appear on the internal record but not on the permanent transcript.

A matriculated graduate or doctoral student is on academic warning for low academic performance if his or her cumulative GPA is below 3.000 after he or she has attempted 3 credits at the CPS. At this point, the student is strongly encouraged to consult with his or her designated Student Success Specialist or academic program designee to develop an action plan toward improving his or her academic standing.

A student is placed on academic probation if his or her cumulative GPA is below 3.000 after he or she has attempted 6 credits at the CPS. While on probation, the student is required to consult with his or her designated Student Success Specialist or academic program designee to develop options and provide support and recommendations for services for the student to improve his or her academic standing.

A student whose cumulative GPA remains below 3.000 after attempting 12 credits may be academically dismissed. A student

who has been academically dismissed is automatically dismissed from his or her major.

A student may appeal this decision to the college's academic standing committee if he or she can provide documented evidence supporting an appeal. A student who wishes to appeal must provide a written statement to the committee within twenty working days (four calendar weeks) of the day after academic standing information is posted to the student's record, typically one to two weeks after the term ends.

Students should check their academic progress via their myNEU account at the end of each term.

FINANCIAL AID POLICIES

Financial aid recipients are required to maintain satisfactory academic progress (SAP) in order to be eligible for financial aid.

IMPORTANT CONSIDERATIONS

The following are considered when evaluating a student's SAP:
• Grades noting withdrawals, incompletes, not enrolled, and failures (W, I, NE, F) are considered attempted but not earned hours.
• Passing credits received for satisfactory/unsatisfactory courses are considered attempted and earned credits; failing grades in satisfactory/unsatisfactory courses are considered attempted but not earned.
• Repeated courses are included in the calculation of both attempted and earned hours.
• Transfer credits, including those received during consortium study, are included in the completion rate calculation.

APPEALS

Students who appeal their ineligibility due to not making SAP have the right to have their situation reviewed by Student Financial Services. Approval of a student's financial aid appeal is based on extenuating circumstances outside the normal school activities that have an impact on the student's ability to achieve the minimum standards of SAP.

Each situation is reviewed on a case-by-case basis. A letter of appeal must be submitted to Student Financial Services. In addition to the letter, each student must meet with their designated Student Success Specialist and submit an academic plan that states the time frame in which the student is able to meet the required quantitative/qualitative standard. A student's eligibility for all aid will be lost in the next academic term if he or she does not meet the requirements in the period stated.

REGAINING ELIGIBILITY

Students may regain eligibility for aid during the academic year if they reach the minimum standards of SAP within the same period of enrollment. Students may continue to attend courses at Northeastern University without the assistance of federal, state, or institutional funding. In addition, students may be able to attend classes elsewhere in order to demonstrate eligibility for reconsideration of aid. Students are determined to be eligible for funds based on the timing in which they reach the minimum standards. The Department of Education's standards outline

different eligibility criteria for students who meet SAP standards within the current period of enrollment vs. those who regain eligibility in a later period. Student Financial Services will award appropriate aid as specified by the Department of Education.

SAP

A graduate student's SAP will be reviewed based on the following standards.

Qualitative Standard

For qualitative purposes, SAP requires a cumulative GPA of 3.000 or higher. At the end of the spring term of each academic year, the qualitative standard will be checked for all students. If, at the end of the spring term, a student does not have a 3.000 or higher GPA, he or she will not be eligible for federal aid in the upcoming academic year. Students who fail to meet this standard will not be eligible for federal aid until the cumulative 3.000 GPA is achieved.

Quantitative Standard

At the end of each spring term, a student's academic progress is measured by comparing the number of attempted credit hours with the actual number of credit hours earned (that is, received a grade in the range of A to C-). Students must earn passing grades in at least 50 percent of their courses during the academic year in order to maintain SAP.

A grade of IP (in progress) is considered to be a successful grade for students enrolled in thesis or dissertation continuation courses.

Maximum Time Frame Standard

Students are not eligible to receive financial aid once they have attempted more than 200 percent of the normal credits required for their degree or certificate program. All attempted hours are counted, including transfer hours, whether or not financial aid was received or the course work was successfully completed. In addition, students must complete their program of study within the maximum number of years permitted by their college.

Note: Courses that do not satisfy academic requirements for the program in which a student is matriculated are not eligible for financial aid.

Repeating a Course

If a student fails a course, he or she may repeat the course to try to earn a passing grade. A student may take the same course up to three times to earn a passing grade. Only the grade earned in the last attempt is used to calculate GPA.

Financial aid recipients must be mindful that repeating courses could impact their aid eligibility.

Students with questions about this impact should contact their financial aid counselor.

Active-Duty Military Personnel

As a member of the Service Member Opportunity Colleges, the CPS' academic residency requirement is different for active-duty service members.

Active-duty service members are required to complete 30 percent of the graduate certificate/degree program in CPS.

Admissions Acceptance Deferral

A student who is not able to start his or her studies in the academic term for which he or she gained acceptance must contact the Office of Admissions to request a deferral of admission. A student may request a deferral for up to one year, unless otherwise noted for specific programs. Please check with the Office of Admissions for more information. If a student does not get approved for an acceptance deferral and does not begin his or her studies within two academic terms of acceptance into a program, he or she forfeits that acceptance and must reapply to the program for a future term.

It is important for the student to inform the Office of Admissions about deferral requests as this may impact the student's time limit on program completion and financial aid.

Attendance and Class Participation

Class participation is essential to success no matter the course format or its delivery.

Attendance requirements vary. It is the student's responsibility to ascertain what each instructor requires. If a student will be absent, it is his or her responsibility to inform the instructor and to abide by the terms about attendance as explained in the course syllabus. Unexplained absence from classes or failure to meet an assignment deadline may seriously affect the student's academic progress and may result in a final grade of F.

Change of Major/Program of Study

GRADUATE (NONDOCTORAL)

A graduate (nondoctoral) student matriculated in a certificate/degree program who would like to enroll in another graduate program, after consulting with his or her designated Student Success Specialist, must apply to the intended program by submitting the following:
- New personal statement
- Updated résumé, if applicable
- At least one letter of reference for degree applicants only

Note: Previously awarded transfer credit awards are subject to change.

A graduate Fast-Track student who would like to switch to a non–Fast-Track program must consult with the Fast-Track program director.

DOCTORAL

Doctoral students should consult with their program director.

Change/Declare a Graduate Concentration

Effective as of the winter 2012 term, graduate and doctoral students matriculated in a degree program that offers concentrations of studies must declare one concentration. This can be done at the time of application to the program as part of the admissions process. Students also may complete the appropriate form in consultation with their designated Student Success Specialist or academic program designee. Students who wish to

pursue an individualized concentration must seek prior approval from the academic program director.

Note: Only recognized concentrations are noted on students' official academic records. If a student pursues an individualized concentration, no concentration will be noted in his or her official academic transcript.

Students must declare a concentration by the beginning of their last term of enrollment for degree completion.

Course Load

Students who are currently not studying in F-1 or J-1 status and who are eligible to study in the United States may be enrolled part-time or full-time. Applicants in B-1/B-2 or F-2 status cannot enroll part-time or full-time; however, they may choose to apply for a change to a status eligible to study in the United States and may enroll only upon approval by U.S. Citizenship and Immigration Services. Full-time course load is 9 credits at the graduate level.

Federal financial aid recipients must be enrolled in and successfully complete a minimum number of credits each quarter to maintain eligibility. For more information, please contact your financial aid counselor at www.northeastern.edu/financialaid/contact/counselors.html.

Course Add/Drop Policy

For eight- and twelve-week courses, students may add a course within the first two weeks of the course. Students may add a six- or four-week course within the first week of the course. Students who wish to add a six-week course after missing the first week are strongly advised to consult with the instructor to determine the feasibility of catching up and succeeding in the course.

Students who drop a course before the "last day to drop a course without a W" specified in the academic calendar (www.northeastern.edu/registrar/calendars.html) will not be charged for the course and will not have a W (withdrawal) grade recorded on their transcript. Thereafter, students are responsible for 100 percent of the tuition charges and applicable fees.

Students are expected to add/drop courses using their myNEU account.

Course Overloads

GRADUATE (NONDOCTORAL)

A full course load for a graduate (nondoctoral) student is 16 credits taken across a twelve-week quarter, with no more than 8 credits per six-week session.

To be eligible for a course overload (more than 16 credits per twelve-week quarter or more than 8 credits per six-week session), a graduate (nondoctoral) student must:

- Have a record of successful study at Northeastern University—transfer students must wait at least one term to request an overload.
- Have a minimum cumulative GPA of 3.500.

- Request the overload by completing the appropriate form (cps.neu.edu/student-resources/academic-forms.php) and returning it to his or her designated Student Success Specialist, assuming the above two criteria are met.

DOCTORAL

Doctoral students who wish to seek a course overload must consult with the program director.

Course Waiver

Course waivers may be awarded to a student who has completed the equivalent course from another accredited institution in the past seven years. The waiver exempts the student from completing the required course. The student must complete another course, as approved by the program, to satisfy the number of credits required for the program.

Doctoral students must consult with their academic program to determine if course waivers are permitted in the program.

Course Withdrawal Policy

Students may withdraw from a course up until the Saturday before the session/term ends. A W will be noted on the student's transcript and the student is responsible for 100 percent of the tuition charges and applicable fees.

Should a student decide to withdraw from a course, he or she is expected to do so via his or her myNEU account. Students who experience difficulty adding, dropping, or withdrawing from a course should email the Office of the University Registrar at registrar@neu.edu promptly. If it is determined that there is an issue with the student's myNEU account or access, he or she needs to contact the Service Desk at 617.373.4357 (HELP); help@neu.edu.

Fast-Track students who wish to drop or withdraw from a course must contact their programs directly.

Degree Completion

COMPLETING DEGREE REQUIREMENTS

Graduate and Doctoral Degree Programs

Students who violate Northeastern University's Academic Integrity Policy also may be subject to individual course penalties. This can result in, but is not restricted to, failing the course, in addition to any university penalty. All instructors must reference academic integrity in their syllabi. If a student feels that he or she has been wrongly accused of violating the Academic Integrity Policy, the student has the right to appeal the charge to the body that first issued the sanction.

Graduate Certificate Programs

To earn a graduate certificate at the CPS, students must complete all courses as prescribed in the curriculum and the required number of credits as per the curriculum and must maintain a minimum cumulative GPA of 3.000 or as outlined by the specific program.

Program Adjustments

The CPS makes adjustments to its academic program offerings and curricula to stay current and to be able to offer students the most relevant courses and knowledge in the field. Examples of such changes include adding new programs; adding/adjusting course requirements; adding/adjusting courses; and adding/adjusting curriculum requirements.

When there is a change to a curriculum or program requirement, students already matriculated and actively enrolled in the program may continue to follow the program requirements at the time of matriculation or to follow the new curriculum/program requirements, unless it is otherwise specified by the academic program at the time of the announcement of said changes.

TIME LIMIT ON DEGREE COMPLETION

- Graduate certificate students have up to three full years from the time of the first term of enrollment to complete the program.
- Master's degree students have up to seven full years from the time of the first term of enrollment to complete the program.
- Doctoral degree students have up to seven full years from the time of the first term of enrollment to complete the program.

Exceptions are made for students who are approved for a MOLA and students who are deployed for military service. Active military service members enrolled in a graduate certificate or master's degree program must contact their designated Student Success Specialist to apply for a leave of absence. Those in doctoral degree programs must contact their programs directly.

Graduate Students Seeking More than One Graduate Certificate and/or Degree

A graduate student can be enrolled in one graduate program at a time. Graduate students seeking more than one certificate or degree after having completed a program should note that graduate credits earned toward:

1. A degree may not be used to satisfy the requirements of another program.
2. A certificate earned at the CPS may be used to satisfy the requirements of a graduate degree, if the contents are determined to be applicable per the program director and if the credits were earned within seven years of pursuit of the degree.
   a. A student matriculated in a degree program who completed courses that are part of a certificate may not declare a separate credential for the certificate.
3. A certificate earned at the CPS may be used to satisfy the requirements of a second certificate with a cap of 4 quarter hours, if the contents are determined to be applicable per the program director and if the credits were earned within seven years of pursuit of the degree.
   a. If the same course is required in both certificate programs and the student has exceeded the maximum number of credits that can be applied in the second certificate program, he or she will request a course waiver instead of repeating the course.

Independent Study

Independent study is an opportunity for degree students to undertake special research, literature review, or experimental study projects in areas related to their program of study. As part of the request for independent study, interested students must submit a study proposal for the program director's approval. The proposal needs to include a detailed outline of the objectives and plan of study and a supporting statement from the faculty member under whose direction the study is intended to take place.

Students may take up to two independent studies.

International Students

In order to maintain lawful student status in the United States, international students must be mindful of the rules and regulations that govern their nonimmigrant visa classification. Numerous U.S. federal regulations make it especially important for students in the F (student) and J (exchange visitor) categories to consult regularly with an international student advisor at the International Student & Scholar Institute (ISSI) before taking any action that might impact their immigration status and educational endeavors in the United States.

All international students in F or J status must register before each term starts. It is strongly recommended that international students be registered at least two weeks before the term starts. They also must be enrolled full-time each term. Any exceptions from full-time registration requirements must be preapproved by the ISSI in accordance with specified regulations. In the CPS, each twelve-week term is made up of Parts of Term (courses that run less than twelve weeks). Some courses last the entire twelve weeks of a term, while others run for either the first six weeks or the last six weeks. Students in F-1 and J-1 status must remain registered at all times during a term to remain in compliance. Students are not allowed to take courses during only one half of an academic term.

INTERNATIONAL STUDENT ENROLLMENT REQUIREMENTS

Full-Time Status

9 credits each quarter*

Course Format

- For a 9-credit course load, international students must take at least 6 credits of courses that are held on-ground or in the blended format.
- Students may not take classes on-ground for just the first or second six weeks of a twelve-week term and then take only online courses during the other six weeks.
- In the final academic term of a student's program of study, enrollment may be for less than 9 credits, but it must either be on-ground or a combination of on-ground and online throughout the entire term.

*For graduate degree programs that require only 4-credit courses in the curriculum, such as the Master of Science in Regulatory Affairs for Drugs, Biologics, and Medical Devices, international

students should consult with their designated Student Success Specialist to develop a course plan to maintain their international student status.

Some degree programs have concentrations that are offered only online. It is imperative that students plan their course schedules accordingly to remain in compliance. Contact your designated Student Success Specialist (cps.neu.edu/student-resources /OASSS%20Staff.php) for assistance or consultation.

In addition, international students must not begin or resume any type of employment without first obtaining proper employment authorization from the ISSI.

Contact the ISSI at issi@neu.edu with questions regarding international student status or immigration policies.

Nonattendance

Nonattendance does not constitute an official withdrawal. A student who registers for a course, completes the I Am Here (IAH) process, or begins attendance and does not officially withdraw from the course is responsible for paying 100 percent of the tuition charges and applicable fees.

If a student who began attendance and did not officially withdraw fails to earn a passing grade in at least one course over an entire term, the university must assume that the student has unofficially withdrawn.

For this purpose, nonpassing grades are defined as W, NE, *, L, or I. Unofficial withdrawals will be determined within 30 days of the end of the term. Students are responsible for paying 100 percent of tuition charges and applicable fees.

Federal financial aid recipients will have their awards reviewed and recalculated, causing a reduction in aid awarded.

Online IAH Policy

Students are required to verify their intent to enroll in CPS class(es) through their myNEU account during the first two weeks of each class start. This verification process is called I Am Here. Students who fail to complete this process on time will be dropped from the class(es).

Students are responsible for ensuring completion of the IAH process, which requires that they do not log out of the system early. Students who do not receive a "Successful Completion" message have not reached the end of the procedure and must start again. Sometimes it may take twenty-four hours before students can restart the procedure.

Students who experience difficulty with the process or have questions should contact iamhere@neu.edu.

Reentry to Program

Application for reentry into any academic program is required of students whose studies are interrupted for a period of one year or more. Students are expected to meet the requirements of the program curriculum current at the time of reentry. If the program into which the student is seeking reentry is no longer offered, the student may choose to enroll in another program if he or she meets

the admissions requirements for that program. Please contact the Office of Academic and Student Support Services for assistance and to complete the appropriate form.

Regional Campus Students

Students enrolled in a Northeastern University regional campus are required to abide by the policies and procedures specific to that campus.

Withdrawal

UNIVERSITY WITHDRAWAL

Students seeking to withdraw from the university for any reason, other than medical, should contact their designated Student Success Specialist or academic program designee.

Students may be withdrawn from the university for financial, disciplinary, academic, or health reasons.

In a case that involves health reasons, a committee will review the recommendations of the director of Health Services to determine whether the student should withdraw. The student has an opportunity to present his or her case to the committee. Withdrawals are made only when it is determined that the student is a danger to himself or herself or to other members of the university community or when the student has demonstrated behavior detrimental to the educational mission of the university.

MEDICAL WITHDRAWAL

Permanent departure from the university due to the diagnosis of a major medical illness or injury, or psychiatric illness, necessitates a petition for medical withdrawal. The procedure is the same as that for the MLOA.

Other Policies and Procedures

GRADUATION PROCEDURES

The following information is for degree-seeking students only. Certificate students should refer to the "Request to Declare Certificate Completion," available at www.cps.neu.edu /student-resources/academic-forms.php.

Only students who complete the graduation application process by specified deadlines will be considered for graduation and included in the graduation ceremony program.

Northeastern University confers degrees three times each academic year: winter, spring, and fall. Degree conferral refers to the official recognition of degree completion by the university. Students whose degrees are conferred in winter or spring are invited to the spring graduation ceremony. Students whose degrees are conferred in the fall are invited to the fall graduation ceremony.

Each fall, the Office of the Registrar sends an email notification to students who may be eligible to graduate that academic year about applying to graduate. Eligibility is based on the number of earned credits at the beginning of the fall term. This email notification informs and instructs students to complete the "Apply to Graduate" process, accessed via their myNEU account.

Students are prompted to verify and provide critical information, e.g., spelling of the student's name on the diploma, intent to participate in the graduation ceremony, and mailing address.

To qualify for the winter conferral, students must fulfill all academic requirements by the end of the fall term. For the spring conferral, students must complete requirements by the end of the previous winter term. For the fall conferral, students must complete requirements by the end of the summer term. The actual dates of degree conferral, qualifying term, and corresponding graduation ceremonies are published at www.northeastern.edu/commencement/faqs/index.html when the information is available.

Diploma
- The major will be printed on diplomas for only nonspecified degrees (Master of Science and Master of Arts).
- Changes made to a student's name after the diploma has been printed may be subject to a $50 fee and may not be corrected until after graduation.
- Changes made to a student's degree information and name submitted after the program deadline will not be noted in the graduation program.

Declaring Certificate Completion
The CPS issues certificates two times each year: winter and summer. Students in their last course of the certificate need to complete the "Request to Declare Certificate Completion" form, available at www.cps.neu.edu/student-resources /academic-forms.php.

Grading System

Grades are officially recorded by letters, evaluated as follows.

Letter Grade	Numerical Equivalent	Explanation
A	4.000	Outstanding achievement
A–	3.667	
B+	3.333	
B	3.000	Good achievement
B–	2.667	
C+	2.333	
C	2.000	Satisfactory achievement
C–	1.667	
F	0.000	Failure
I		Incomplete
IP		In progress
NE		Not enrolled
NG		Grade not reported by faculty
S		Satisfactory (pass/fail basis; counts toward total degree requirements)
U		Unsatisfactory (pass/fail basis)
X		Incomplete (pass/fail basis)
L		Audit (no credit given)
T		Transfer
W		Course withdrawal

An I, IP, or X grade shows that the student has not completed the course requirements.

Note: In the CPS, the incomplete, or I, grade may be given only when the student was approved to make up a single key requirement of a course, such as a paper or major report. The student and instructor must complete an Incomplete-Grade Contract (www.northeastern.edu/registrar /form-inc-grade.pdf) before the end of the course. The completed contract should be sent to the Office of Academic and Student Support Services for the signature from the Office of the Dean: 50 Nightingale Hall; fax 617.373.5545; email cpsadviser@neu.edu. The university has a one-year-limit policy to make up incomplete grades. Students have access to their online course materials in Blackboard for up to one year.

The IP grade is intended for courses that extend over several semesters. The time restrictions on the incomplete grade do not apply to the IP grade. While the IP grade is left unchanged, it is not included in computing the GPA. If the IP grade is never changed, the course does not count toward graduation requirements.

Pass/Fail System

The individual schools and colleges state how and when the pass/fail system may be used.

Clearing an Incomplete or Changing Other Grades

An incomplete grade may be reported by the instructor when a student has failed to complete a major component of a required course, such as homework, a quiz or final examination, a term paper, or a laboratory project. Students can make up an incomplete grade by satisfying the requirements of the instructor or, if the instructor is absent, the chair of the department. Be aware that instructors' policies on the granting of incomplete grades may vary and that the final decision on an incomplete grade is up to the instructor. The period for clearing an incomplete grade and for changing a grade other than an incomplete or failure (F or U) is restricted to one calendar year from the date it is first recorded on the student's permanent record.

To clear an incomplete grade, a student must obtain an Incomplete-Grade Contract (www.northeastern.edu/registrar /form-inc-grade.pdf) on which the precise agreement for clearing an incomplete grade is specified and that is signed by the student and the instructor. The student must make an appointment with the instructor to arrange for clearing the incomplete grade. He or she must then complete the form, sign the agreement, and obtain the instructor's signature; leave a copy with the instructor, take one copy to the college academic student services office, and retain a copy as a personal receipt. Any exception to this policy on change of grades must be recommended by the Academic Standing Committee (ASC) of the college in which the course was offered and must be forwarded in writing by the ASC to the registrar for implementation. (Finishing the agreed-upon course work must be completed within one calendar year from the end of the semester in which the course was offered.)

Commencing with grades given in the fall of 1986, the university policy is that any grade outstanding for twelve or more months cannot be changed.

Any exception to this policy on change of grades must be recommended by the ASC of the college in which the course was offered and must be forwarded in writing by the dean to the registrar for implementation.

Repeating Courses

When the appropriate course is available, courses may be repeated in order to earn a better grade. In all cases, the most recent grade earned in a course is the one used in calculating the overall GPA; however, previous grades remain on the transcript followed by the word "Repeat." Consult your academic advisor before repeating a course. Students are required to pay normal tuition charges for all repeated course work.

Audit Policy

Full-time Northeastern students (16 credits at the undergraduate level and 8 credits at the graduate level, before the audit registration) may audit one class per term as an overload with no additional charge. Students are permitted to register from the end of the course-add period to the end of the third week of classes. Registration is based on the availability of a seat in the class. Students must obtain advisor approval and meet the prerequisites and any other required approvals for the class. Instructor permission as well as approval by the associate dean of the college offering the course is required. The course work required is at the discretion of the instructor. Once a student opts to audit a course, the audit status of the course cannot be changed. First-year students may not audit classes. A signed Petition to Audit must be presented to the Office of the Registrar during the designated audit-add period. Excluded courses are co-op, labs, language courses, any off-campus course, any online course, and any course required for the major or degree. Audits carry no academic credit.

Clearing an Academic Deficiency

An academic deficiency occurs when a student fails to complete a course with a satisfactory grade. The deficiency may occur because the student has failed the course or because the student has passed the course but with a grade that does not meet the minimum required by the student's program.

Students who have academic deficiencies may be required to clear them before progressing within the curriculum, especially if the course work is a prerequisite for future course work. Deficiencies can affect the student's expected year of graduation.

With the approval of the appropriate program faculty and/or academic advisor, students can clear deficiencies in the following ways:
1. Repeat the same course at one of Northeastern's colleges, which will result in a "repeat" grade (see "Repeating Courses" policy above).
2. Substitute a comparable course at one of Northeastern's colleges, which will result in a "repeat" grade.

Appeal of Final Grades

Under certain circumstances, students have the right to appeal final grades given by either academic faculty or cooperative education coordinators. Criteria and procedures can be found on page 35.

GPA

Numerical equivalents for scholastic averages are weighted according to the number of hours the course carries. For example, suppose a student receives a grade of B in a course carrying 4 semester hours and a grade of A in a course carrying 1 semester hour. The weightings for these example courses are as follows:

Grade	Numerical Equivalent	Semester Hours	Weight
B	3.000	4	12
A	4.000	1	4
Totals:		5	16

The GPA for both courses would then be the total weight (16) divided by the total semester hours (5), or 3.200. Grades of I, IP, S, U, and X are not included in the calculation of the GPA. Please see page 32 for a complete list of grades and numerical equivalents.

Grade Reports

Grades are available to students approximately three days after the end of each semester via the myNEU Web Portal (www.myneu.neu.edu). A missing grade means that none was received from the instructor. Grades received late from faculty are processed as they are received.

Transcripts

Currently enrolled students may obtain unofficial transcripts from the myNEU Web Portal (www.myneu.neu.edu) and may also order official transcripts through myNEU. For further information on transcript requests, please visit www.northeastern.edu/registrar/trans_request.html. All questions concerning transcript requests should be directed to 617.373.2199, (TTY) 617.373.5360.

Northeastern University Course Numbering

UNDERGRADUATE

0001–0999   **Orientation and basic**
             No degree credit
1000–1999   **Introductory level (first year)**
             Survey, foundation, and introductory courses, normally with no prerequisites and designed primarily for students with no prior background
2000–2999   **Intermediate level (sophomore/junior year)**
             Normally designed for sophomores and above but in some cases open to freshman majors in the department
3000–3999   **Upper-intermediate level (junior year)**
             Designed primarily as courses for juniors; prerequisites are normally required, and these courses are prerequisites for advanced courses
4000–4999   **Advanced level (senior year)**
             Designed primarily for juniors and seniors; also includes specialized courses such as research, capstone, and thesis

GRADUATE

0001–0999   **Orientation and basic**
             No degree credit
5000–5999   **First-level graduate**
             Courses primarily for graduate students and qualified undergraduate students with permission
6000–6999   **Second-level graduate**
             Generally for master's and clinical doctorate only
7000–7999   **Third-level graduate**
             Master's- and doctoral-level courses; includes master's thesis
8000–8999   **Clinical/research/readings**
             Includes comprehensive exam preparation
9000–9999   **Doctoral research and dissertation**

Maintenance of Student Records

The university registrar is responsible for ensuring appropriate maintenance and safekeeping of student records. The transcript, which is stored electronically and maintained indefinitely, is the holistic record of student attendance and degree progress. In the event that the university discontinues operations, the archive of student records would be maintained by the Massachusetts Department of Higher Education, One Ashburton Place, Room 1401, Boston, MA 02108.

Course Cancellations

Northeastern University reserves the right to cancel any course if minimum enrollments, appropriate faculty, or academic facilities do not meet standards.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

FERPA for Students—General Information

FERPA is a federal law that applies to educational institutions. Under FERPA, schools must allow students who are 18 years or over or attending a postsecondary institution:

• Access to their education records
• An opportunity to seek to have the records amended (see the student handbook for this procedure)
• Some control over the disclosure of information from the records

FERPA General Guidance for Parental Disclosure

When a student turns 18 years of age or attends a postsecondary institution, the student, and not the parent, may access, seek to amend, and consent to disclosures of his or her education records.

Release of Directory Information

The primary purpose of directory information is to allow Northeastern University to confirm attendance for employers, health insurance companies, and loan agencies. Northeastern may disclose appropriately designated "directory information" without written consent, unless you have advised the university to the contrary in accordance with the procedures below. If you choose not to release directory information, all communications with all third parties and agencies will need to be done through your written request to the university or in person.

Northeastern directory information includes the following:

• College and major
• Dean's List or other recognition lists
• Graduation degree(s) and honors
• Dates of attendance
• Sports activity participation, such as for soccer, showing weight and height of team members
• A playbill, showing your role in a drama or music production

If Northeastern currently has permission to release data and you do not want the university to disclose directory information without your prior written consent, you must notify the university by coming to the Office of the Registrar, 120 Hayden Hall.

Notification of Rights under FERPA

FERPA affords students certain rights with respect to their education records. These rights are:

1. The right to inspect and review the student's education records within forty-five days of the day the university receives a request for access. Students should submit to the registrar, dean, or head of the academic department (or appropriate official) written requests that identify the record(s) they wish to inspect. The university official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the university official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education record that the student believes is inaccurate or misleading. Students may ask the university to amend a record that they believe is inaccurate or misleading. They should write the university official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the university decides not to amend the record as requested by the student, the university will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interest. A school official is defined as a person employed by the university in an administrative, supervisory, academic, or support staff position (including law enforcement unit and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a person assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the university to comply with the requirements of FERPA. At Northeastern, the Office of the University Registrar, 120 Hayden Hall, administers FERPA.

5. Information concerning the following items about individual students is public and the offices listed below have the most accurate and up-to-date information:
   - **Office of the Registrar**
     (120 Hayden Hall)
     Full name, major field of study, dates of attendance, class year, degrees and awards received, most recent previous educational institution attended
   - **Department of Athletics**
     (219 Cabot Physical Education Center)
     Participation in formally recognized university athletics, weight and height of members of athletic teams
   - **Campus Activities**
     (434 Curry Student Center)
     Participation in officially recognized university activities and student organizations

Additional Information

Additional information can be obtained at the following website:

www.ed.gov/policy/gen/guid/fpco/ferpa/index.html

or by writing to:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5920

FERPA and the USA Patriot Act

The USA Patriot Act preempts FERPA, described above. The act provides federal law enforcement agencies access to otherwise confidential student records upon the presentation of specified authority. The act also says that the university cannot notify the individual whose records or information is being sought that the request has been made. All requests for student information made under the authority of the USA Patriot Act are handled by the Office of University Counsel, 115 Churchill Hall.

STUDENT RIGHT-TO-KNOW ACT

For information about the Student Right-to-Know Act, please visit www.northeastern.edu/registrar/right-to-know.html.

APPEALS POLICIES AND PROCEDURES

Graduate Student Appeals Procedures

Northeastern University affirms that it is essential to provide an appeals mechanism to students who believe that they have been erroneously, capriciously, inappropriately, or otherwise unfairly treated.

Academic Appeals

It is the policy of the university that all students shall be treated fairly with respect to evaluations made of their academic performance, standing, and progress. The university presumes that academic judgments by its faculty are fair, consistent, and objective. Students must understand that the substitution of a different academic judgment for that of the original evaluator is a serious intrusion upon teaching prerogatives. Nonetheless, the university believes it is essential to provide an appeals mechanism to students who believe that they were erroneously, capriciously, or otherwise unfairly treated in an academic or cooperative education determination. This includes claims of misinterpretation or inequitable application of any academic provision of the student handbook or *Faculty Handbook.* Issues concerning admission or readmission into a program cannot be appealed beyond the college level.

Before invoking the appeals procedures, students are always encouraged to speak informally to their instructors or academic advisors about any determination or grade about which they have questions. If students choose to pursue an appeal, the process is described in the appeals section that follows.

Scientific or Research Misconduct

Scientific or research misconduct is defined as fabrication, falsification, plagiarism, or other practices that seriously deviate from those that are commonly accepted within the academic and scientific community for proposing, conducting, or reporting research and does not include honest error or honest differences in interpretation or judgments of data. (Further information can be obtained from the U.S. Office of Research Integrity, Department of Health and Human Services, whose website can be found at www.ori.dhhs.gov.) Possible incidences of misconduct are to be reported immediately to the vice provost for graduate education, who will initiate the appropriate procedures. Findings of scientific or research misconduct cannot be appealed through the process below.

Nonacademic Appeals

It is the policy of the university that all students shall be treated with respect and that all evaluations of their employment performance will be fair, consistent, and objective. This includes claims of misinterpretation or inequitable application of any employment provision of the student handbook. The student is always encouraged to speak informally to his or her supervisor about any determination about which he or she has questions prior to invoking the appeals procedures.

If the student chooses to pursue an appeal, the process is described in the appeals section that follows.

Appeal of Final Grades

It is the policy of the university that all students will be treated fairly in evaluations made of their academic performance, standing, and progress. The university presumes that academic judgments by its faculty are fair, consistent, and objective. Students must understand that the substitution of a different academic judgment for that of the original evaluator is a serious intrusion upon teaching prerogatives. Nonetheless, the university believes it is essential to provide an appeals mechanism to students who believe that they were erroneously, capriciously, or otherwise unfairly treated in an academic or cooperative education determination. This includes claims of misinterpretation or inequitable application of any academic provision of the university's undergraduate or graduate catalog, student handbook, or *Faculty Handbook.* However, graduate student issues involving admission or readmission in a program cannot be appealed beyond the college level.

In most cases, students should first discuss their concerns with the faculty member who taught the course to see if it is possible to reach agreement on the issue(s). If the student is not satisfied with the outcome of this discussion, or if the student is not comfortable discussing the issue with the instructor, the student should request a meeting with the department chair, or a person named by the chair, to attempt a department-level resolution of the appeal. If these informal attempts to resolve the issue fail, the student can enter the formal procedure at the college level as follows.

STEP 1

A student may appeal an academic determination by submitting a written statement (the Statement) that specifies the details of the action or judgment. This Statement should include when the problem occurred, who was involved, the basis of the appeal, and the resolution sought by the student. For students in the College of Professional Studies (CPS), the Statement is submitted to the school official designated by the Vice President for Professional and Continuing Studies. Graduate students (other than CPS) should submit the Statement to the graduate coordinator in the department (where one exists). If there is no department-level coordinator, the appeal should proceed to Step 2. All appeals of grades should be initiated and resolved before the student graduates. If a student wishes to dispute a grade in his or her final term, this must be done within forty-five calendar days of graduation. If the appeal concerns a cooperative education determination, it is submitted to the dean of the college in which the student is enrolled. The Statement must specify the details of the action or judgment and the basis for the appeal. All parties shall cooperate and act expeditiously in processing the appeal to completion.

Though students are always entitled to seek the advice of legal counsel, students may not be represented by a lawyer in the informal or formal academic appeal procedures. A student may consult with the Vice Provost for Graduate Education, Vice President for Professional and Continuing Studies (in the case of CPS students), or their designees at any point in this procedure for advice or assistance. The dean, vice president, or provost may take whatever steps they deem reasonably appropriate to achieve voluntary resolution of the problem at any stage of these procedures.

The Statement should be submitted within twenty-eight working days (or twenty working days [four calendar weeks] for CPS students) of the day when the student learns of the academic determination in question. For course grade appeal in the CPS, the Statement must be submitted within twenty days after grades are posted to the student academic record. Grades are typically available the Tuesday after the term ends and are viewable through the student's myNEU account.

If a student feels that he or she has been the victim of harassment or of discrimination prohibited by law or by university policy, he or she should consult with the Office of Institutional Diversity and Equity as soon as he or she becomes aware of alleged prohibited harassment or discrimination and is not required to wait until a term grade or determination is received before seeking advice or redress. If the Office of Institutional Diversity and Equity is advised of such alleged prohibited conduct as part of an academic appeal (see below), the appeal shall be pursued and investigated first through the Office of Institutional Diversity and Equity. In such cases, the student should submit the appeal to the appropriate dean(s) described in this step, with a copy also given to the Office of Institutional Diversity and Equity. Following a resolution of the sexual harassment/discrimination issues, any remaining academic issues will be addressed, at the request of the student, according to the academic appeals procedures.

STEP 2

The dean or CPS vice president shall respond to the student in writing, including specific instructions for the student to seek an informal resolution to the matter, unless such course of action, as outlined by the student in his or her Statement, is demonstrably futile. These directions shall include discussing the matter with the person whom the student identifies as involved in the matter. If the student is not satisfied with the informal resolution, the dean or CPS vice president shall discuss the matter with the department chairperson (where one exists), graduate coordinator, consultant, program director, or associate dean (as appropriate) or equivalent supervisor and the dean of the college in which the faculty member involved in the matter serves, who shall attempt to effect an informal resolution. The student shall also have the right to discuss the matter with the chair (where one exists) or equivalent supervisor in which department the faculty member involved in the matter serves.

If the appeal involves allegations of prohibited harassment or discrimination, the dean shall consult with the Office of Institutional Diversity and Equity before making this response and shall, as part of this response, explain the role that the Office of Institutional Diversity and Equity will play in steps 2 and 3 of this procedure.

A copy of this response shall be sent to the department chairperson or equivalent supervisor of the appropriate unit.

STEP 3

If the appeal cannot be resolved informally within thirty calendar days of the student's original submission of his or her Statement to the dean or CPS vice president, or if he or she is not satisfied with the disposition of the matter at Step 2, the student may proceed with the appeal through his or her college's or school's established academic appeals procedure. The dean or the academic standing committee, as applicable, must provide the student and the involved faculty member with a written report of the finding(s) and decision.

This step involves a review by an academic standing committee making the recommendation to the dean or CPS vice president. The student may obtain a copy of the operating rules of the academic standing committee from the dean of the college involved.

In appeals involving allegations of prohibited harassment or discrimination, the dean or academic standing committee shall receive a report of the findings of the investigation of the Office of Institutional Diversity and Equity for incorporation into its own report on matters left unresolved by that finding that were referred to it. The dean/CPS vice president or committee shall be without authority to reverse or modify the Office of Institutional Diversity and Equity finding(s) or resolution.

STEP 4

If the student or the involved faculty member is not satisfied with the dean's or CPS vice president's disposition of the matter or if the appeal is not resolved within thirty calendar days after originally submitted to the dean or CPS vice president pursuant to Step 1, he or she may further pursue the matter by requesting in writing within fourteen calendar days that the university convene an academic appeals resolution committee to review the issue. Students may obtain information on this process in either the Office of the Vice President for Student Affairs (104 Ell) or the Office of the Provost (110 CH). This committee has been designated as the final authority on these matters. This request must be made within fourteen calendar days of the finding of the academic standing committee in Step 3.

1. Academic Appeals Resolution Committee

The academic appeals resolution committee includes:
- The Vice Provost for Graduate Education or a designee.
- The student's faculty adviser will be appointed by the appropriate vice provost except in cases where no specific adviser exists, or where the faculty adviser is involved in the dispute. In those cases, a faculty member from the student's major college, department, or area of specialization will be appointed.
- Two faculty members appointed by the Faculty Senate Agenda Committee (if the appeal is based on a Cooperative Education determination, one of the faculty members shall be a member of the Cooperative Education faculty, but not from the student's area of study) and a representative of the Office of Institutional Diversity and Equity (if the appeal had at any point involved a matter of sexual harassment/discrimination).
- The chair shall be elected from among the committee's three faculty members but cannot be the student's faculty advisor.

2. Preliminary Matters

If the academic appeals resolution committee determines, by a majority vote, that the appeal is patently without substance or merit, it may dismiss the appeal.

3. Investigation

The academic appeals resolution committee shall investigate the matter under appeal as quickly as possible by studying the relevant documents, interviewing the parties (especially the student and the involved faculty member), and taking any other action it deems appropriate. At no time shall the committee be bound by rules of evidence but shall at all times conduct itself in a matter that is not arbitrary or capricious. The academic appeals resolution committee may, but is not required to, hold a hearing prior to resolving the issues. However, in all instances, the student and the involved faculty member shall have the right to appear and testify separately and privately before the academic appeals resolution committee. The student shall have the right to have an advocate from the university community present during his or her testimony to the academic appeals resolutions committee.

4. Authority to Act

The academic appeals resolution committee has been designated as the final authority on these matters. At the conclusion of its investigation, the academic appeals resolution committee shall resolve, by majority vote, the issue by either upholding the finding of the academic standing committee or dean/CPS vice president, in which case no further appeal is available, or granting such relief to the student as the appeals resolution committee deems appropriate.

a. The academic appeals resolution committee may not determine a resolution that contradicts the prior findings or actions of the Office of Institutional Diversity and Equity with respect to elements of this appeal.

b. In the event of a tie vote, the action of the academic standing committee or dean/CPS vice president shall be considered upheld.

5. Resolution

All direct parties to the appeal, including but not limited to the student, the CPS vice president or provost, the dean, the department chair or equivalent supervisors, graduate coordinator or equivalent supervisor, and the faculty member shall be promptly informed in writing of the decisions and actions taken (i.e., the Report) during this academic appeals procedure.

6. Report

A written Report of the appeal and its resolution shall be submitted by the chairperson of the academic appeals resolution committee to the student, the involved faculty member, the Faculty Senate Agenda Committee, the vice president for student affairs, the appropriate vice provost, the registrar, and the dean or CPS vice president, as appropriate.

7. Action

The dean(s) or CPS vice president or his or her designee in the involved college(s) shall take whatever action is necessary to implement fully the resolution of the academic appeals resolution committee. This includes reporting the change of grade to the registrar.

8. Appeal

No further appeal can be instituted by the student or the involved faculty member with respect to the issue(s) raised at any level of the formal appeals resolutions procedures once adjudicated.

GENERAL REGULATIONS

Please review the general regulations that follow as well as all other regulations or limitations included throughout this catalog. Your success at Northeastern depends, in part, on understanding your rights and fulfilling your responsibilities.

Legal Rights and Responsibilities

GRIEVANCE PROCEDURE FOR DISABLED STUDENTS

It is the policy of Northeastern University to comply with all laws governing access by and discrimination against disabled students. Accordingly, any student who believes that there has been a violation of these laws is encouraged to discuss the matter with the director of the Disability Resource Center and other persons identified by the director, or with the director of the Office of Institutional Diversity and Equality, to resolve the matter in a prompt and equitable manner. If such discussions do not resolve the matter, the student may then initiate a grievance by taking the steps outlined below.

1. All grievances made by students on the basis of being disabled are considered as being made to the president of the university.

2. In the case of a grievance, the student should discuss the objection with the individual responsible for the office or department where the objection was initially raised.

3. If not satisfied, the student should discuss the objection with the dean of the college or director under which the department falls.

4. If the grievance is not satisfactorily resolved, the student should complete a grievance form and file a written request for a formal hearing with the Grievance Committee for Disabled Students. The request should be filed with the vice president for student affairs. Upon receipt of a written request for a formal hearing, the grievance committee (including one faculty member from the student's college, one faculty member not from the student's college, one representative from the Disability Resource Center, a representative from the Office of Institutional Diversity and Equality, the vice president for student affairs or a designee, and another administrator not from student affairs) must hold a hearing within three calendar weeks. The grievance committee must allow a full and fair opportunity for the presentation of evidence relevant to the reason(s) for the hearing request and must render a decision in writing to the requesting student

within one week of the conclusion of the hearing. The director of the Office of Institutional Diversity and Equality is compliance officer for Section 504 of the Rehabilitation Act of 1973.

GRIEVANCE PROCEDURE—SEXUAL HARASSMENT

No employee, agent, supervisory personnel, or faculty member shall exercise his or her responsibilities or authority in such manner as to make submission to "sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature" as an explicit or implicit term or condition of evaluation, employment, admission, advancement, or reward within the university. Neither shall any employee, agent, supervisory personnel, or faculty member make submission to or rejection of such conduct the basis for employment or academic decisions affecting any employee or student. Neither shall any employee, agent, supervisory personnel, or faculty member conduct himself or herself with respect to verbal or physical behavior of a sexual nature where such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an intimidating, hostile, or offensive work or classroom environment.

Though sexual harassment will not be tolerated, the university recognizes that it is difficult to regulate emotional relationships between consenting adults. However, a consensual relationship may be suspect in instances in which one of the individuals has authority over the other. Therefore, no faculty or employee involved romantically or sexually with a student may teach or supervise that person either individually or as part of a group in any activity connected to the university.

Any student, teaching assistant, employee, or faculty member who feels that he or she has been the victim of sexual harassment may bring the matter to the attention of the director of the Office of Institutional Diversity and Equality. Copies of the sexual harassment grievance procedure can be obtained from the Office of Institutional Diversity and Equality, 424 Columbus Place.

HAZING—CHAPTER 269 OF THE MASSACHUSETTS GENERAL LAWS

Section 17. Whoever is a principal organizer or participant in the crime of hazing, as defined herein, shall be punished by a fine of not more than three thousand dollars or by imprisonment in a house of correction for not more than one year, or both such fine and imprisonment. The term hazing as used in this section and in sections eighteen and nineteen, shall mean any conduct or method of initiation into any student organization, whether on public or private property, which willfully or recklessly endangers the physical or mental health of any student or other person. Such conduct shall include whipping; beating; branding; forced calisthenics; exposure to weather; forced consumption of any food, liquor, beverage, drug, or other substance; or any other brutal treatment or forced physical activity which is likely to adversely affect the physical health or safety of any such student or other person, or which subjects such student or

other person to extreme mental stress, including extended deprivation of sleep or rest or extended isolation. Notwithstanding any other provisions of this section to the contrary, consent shall not be available as a defense to any prosecution under this action.

Section 18. Whoever knows that another person is the victim of hazing as defined in section seventeen and is at the scene of such crime shall, to the extent that such person can do so without danger or peril to himself or others, report such crime to an appropriate law enforcement official as soon as reasonably practicable. Whoever fails to report such crime shall be punished by a fine of not more than one thousand dollars.

Section 19. Each institution of secondary education and each public and private institution of postsecondary education shall issue to every student group, student team, or student organization that is part of such institution or is recognized by the institution or permitted by the institution to use its name and facilities or is known by the institution to exist as an unaffiliated student group, student team, or student organization, a copy of this section and sections seventeen and eighteen; provided, however, that an institution's compliance with the section's requirements that an institution issue copies of this section and sections seventeen and eighteen to unaffiliated student groups, teams, or organizations shall not constitute evidence of the institution's recognition or endorsement of said unaffiliated student groups, teams, or organizations.

Each such group, team, or organization shall distribute a copy of this section and sections seventeen and eighteen to each of its members, plebes, pledges, or applicants for membership. It shall be the duty of each such group, team, or organization, acting through its designated officer, to deliver annually to the institution an attested acknowledgement stating that such group, team, or organization has received a copy of this section and said sections seventeen and eighteen, that each of its members, plebes, pledges, or applicants has received a copy of sections seventeen and eighteen, and that such group, team, or organization understands and agrees to comply with the provisions of this section and sections seventeen and eighteen.Each institution of secondary education and each public or private institution of postsecondary education shall, at least annually, before or at the start of enrollment, deliver to each person who enrolls as a full-time student in such institution a copy of this section and sections seventeen and eighteen.

Each institution of secondary education and each public or private institution of postsecondary education shall file, at least annually, a report with the regents of higher education and, in the case of secondary institutions, the board of education, certifying that such institution has complied with its responsibility to inform student groups, teams, or

organizations and to notify each full-time student enrolled by it of the provisions of this section and sections seventeen and eighteen and also certifying that said institution has adopted a disciplinary policy with regard to the organizers and participants of hazing and that such policy has been set forth with appropriate emphasis in the student handbook or similar means of communicating the institution's policies to its students. The board of regents and, in the case of secondary institutions, the board of education shall promulgate regulations governing the content and frequency of such reports and shall forthwith report to the attorney general any such institution that fails to make such report.

STUDENT RIGHT-TO-KNOW AND CAMPUS SECURITY ACT

In compliance with the Student Right-to-Know and Campus Security Act, information regarding graduation rates may be obtained in the Office of the Registrar, 120 Hayden Hall, and in the Department of Athletics, 219 Cabot Physical Education Center; information regarding safety and security may be obtained in the Office of Admissions and the Public Safety Division, 100 Columbus Place. It is Northeastern University's policy to disclose to an alleged victim of any crime of violence the results of any disciplinary proceeding against the alleged perpetrator of such crime. Further information is available in the Office of Student Conduct and Conflict Resolution, 202 Ell Hall.

USE OF ALCOHOL AND DRUGS

The unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance is prohibited in or on any Northeastern property. Any university employee or student determined to have violated this policy may be subject to disciplinary action up to and including dismissal. The use of alcohol while on Northeastern property is prohibited except where specifically authorized by the university. No employee may report to work while under the influence of alcohol or illegal drugs. Violation of these regulations may be reason to require evaluation/treatment for substance abuse in coordination with the University Center for Counseling and Student Development and/or for disciplinary action up to and including dismissal. Northeastern University works to provide a drug-free workplace for all university employees and students. The Center for Counseling and Student Development provides resources for treatment and referral for students and employees with substance abuse problems. Educational programs for students, employees, and managers are presented through Human Resources Management, the Office of Residential Life, and the Center for Counseling and Student Development and cover the dangers of alcohol and drug abuse, the availability of assistance for counseling and rehabilitation, and penalties for violating university policies. To comply with federal law, the university requires that employees directly engaged in performance of a grant or contract must notify their employers of any criminal drug statute conviction for a violation occurring in the workplace no later than five days after the conviction. The university must notify

any federal contracting agency within ten days of having received notice that an employee engaged in the performance of such contract has had a criminal drug statute conviction for a violation occurring in the workplace. The university will take appropriate action up to and including dismissal and/or require participation in an approved abuse assistance or rehabilitation program.

USE OF WEAPONS

The use or possession on campus of firearms, explosive agents of any kind, as well as chemicals, mace, and tear gas, is specifically forbidden by the Code of Student Conduct. Violation of this university policy is cause for disciplinary action up to and including expulsion. In addition, it is worth noting that Massachusetts law states: "Whoever, not being a law enforcement officer and notwithstanding any license obtained by him under the provisions of chapter one hundred and forty, carries on his person a firearm as hereinafter defined, loaded or unloaded, in any building or on the grounds of any college or university without the written authorization of the board or officer in charge of said college or university shall be punished by a fine of not more than one thousand dollars or by imprisonment for not more than one year or both. For the purpose of this paragraph, 'firearm' shall mean any pistol, revolver, rifle, or smoothbore arm from which a shot, bullet, or pellet can be discharged by whatever means."

Massachusetts general law prohibits the possession of nunchaku or karate sticks; switchblades; knives; starter's pistols; ammunition; leather armbands or other clothing that has metallic spikes, points, or studs; or other dangerous weapons or articles. A student who possesses any articles for sporting purposes (for example, bow and arrows) should check with the University Police Department or the Department of Residential Life to determine whether such articles are among those prohibited by statute or university regulation. Northeastern University also prohibits the possession of knives other than food utensils.

Policies and Procedures

ACADEMIC INTEGRITY POLICY

Essential to the mission of Northeastern University is the commitment to the principles of intellectual honesty and integrity. Academic integrity is important for two reasons. First, independent and original scholarship ensures that students derive the most from their educational experience and the pursuit of knowledge. Second, academic dishonesty violates the most fundamental values of an intellectual community and depreciates the achievements of the entire university community.

Accordingly, Northeastern University views academic dishonesty as one of the most serious offenses that a student can commit while in college. The following is a broad overview of what constitutes academic dishonesty but is not meant to be an all-encompassing definition.

Cheating

Defined as intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise. Examples:

- Unauthorized use of notes, text, or other aids during an examination
- Copying from another student's examination, research paper, case write-up, lab report, homework, computer disc, and so on
- Talking during an examination
- Handing in the same paper for more than one course without the explicit permission of the instructor
- Perusing a test before it is given
- Hiding notes in a calculator for use during an examination

Fabrication

Defined as intentional and unauthorized falsification, misrepresentation, or invention of any information, data, or citation in an academic exercise. Examples:
- Making up the data for a research paper
- Altering the results of a lab experiment or survey
- Listing a citation for a source not used
- Stating an opinion as a scientifically proven fact

Plagiarism

Defined as intentionally or knowingly representing the words or ideas of another as one's own in any academic exercise without providing proper documentation of source by way of a footnote, endnote, or intertextual note. The following sources demand notation:
- Word-for-word quotation from a source, including another student's work
- Paraphrase: using the ideas of others in your own words
- Unusual or controversial facts—facts not apt to be found in many places
- Interviews, radio and television programs, and telephone conversations

Unauthorized collaboration

This refers to instances when students, each claiming sole authorship, submit separate reports that are substantially similar to one another. While several students may have the same source material (as in case write-ups), the analysis, interpretation, and reporting of the data must be each individual's.

Participation in academically dishonest activities

Examples:
- Stealing an examination
- Purchasing a prewritten paper through a mail-order or other service, including via the Internet
- Selling, loaning, or otherwise distributing materials for the purpose of cheating, plagiarism, or other academically dishonest acts
- Alteration, theft, forgery, or destruction of the academic work of other students, library materials, laboratory materials, or academic records including transcripts, course registration cards, course syllabi, and examination/course grades
- Intentionally missing an examination or assignment deadline to gain an unfair advantage

Facilitating academic dishonesty

Defined as intentionally or knowingly helping or attempting to violate any provision of this policy. Examples:

- Inaccurately listing someone as coauthor of a paper, case write-up, or project who did not contribute
- Sharing with another student a take-home examination, homework assignment, case write-up, lab report, and so on, without expressed permission from the instructor
- Taking an examination or writing a paper for another student

All members of the Northeastern University community—students, faculty, and staff—share the responsibility to bring forward known acts of apparent academic dishonesty. Any member of the academic community who witnesses an act of academic dishonesty should report it to the appropriate faculty member or to the director of the Office of Student Conduct and Conflict Resolution. The charge will be investigated and if sufficient evidence is presented, the case will be referred to the Northeastern University Student Judicial Hearing Board. If found responsible for an academic dishonesty violation, a minimum sanction of deferred suspension will follow. If found responsible for a second violation, the student will be expelled from the university.

APPROPRIATE USE OF COMPUTER AND NETWORK RESOURCES POLICY

The information systems of Northeastern University are intended for the use of authorized members of the Northeastern community in the conduct of their academic and administrative work. To protect the integrity of computer resources against unauthorized or improper use, and to protect authorized users from the effects of unauthorized or improper usage, the university reserves the right, with or without notice, to monitor, record, limit, or restrict any account holder's usage. The university may also monitor, record, inspect, copy, remove, or otherwise alter any data, file, or system resources. The university reserves the right to periodically check these systems and to take any other action necessary to protect the computer and network facilities. The university also retains access rights to all files and electronic mail on its computing and network facilities. Anyone using these systems or networks expressly consents to such monitoring.

Any unauthorized, inappropriate, illegal, or illegitimate use of the university's computing resources, or failure to comply with these guidelines, shall constitute a violation of university policy and will subject the violator to disciplinary action by the university and may result in legal action. When a violation is identified, the appropriate system manager or unit head will undertake a review and initiate action in accordance with university policy. In addition, the university may require restitution for any use of computer or network services that violate these guidelines. The university may also provide evidence of possible illegal or criminal activity to law enforcement authorities.

Notwithstanding any other provision of this policy, authorization to access the information systems of Northeastern University ends at the termination of employment, the end of a recognized role or relationship, or the loss of sponsorship. Students may continue to use their Northeastern electronic mail account for up to six months after graduation. Any questions about

this policy or the applicability of this policy to a particular situation should be referred to the information technology security manager or the director of internal audit. The university's information systems consist of all networking wiring, equipment, networks, security devices, servers, computer systems, computers, computer laboratory equipment, workstations, Internet connections, and all other intermediary equipment, services, and facilities. These assets are the property of Northeastern University.

1. Access to and use of Northeastern information systems is a privilege granted by the university to its faculty, staff, and students. Access for up to one academic year for others, including "sponsored" individuals whose relationship with Northeastern is a result of a university-recognized affiliation or relationship, must be approved by the authorizing unit's dean or vice president. Such access may not be renewed without the written approval of the senior vice president for administration and finance.
   The university retains sole discretion over the extent to which access privileges are granted.

2. Users may only use those computer accounts that have been authorized by the university for their use. Use of another person's account, security devices, and/or the presentation of false or misleading information or credentials for the purpose of obtaining access to information systems is prohibited.

3. Users are responsible for all use of information systems conducted under their user ID(s) and are expected to take all precautions including password security and file protection measures to prevent use of their accounts and files by unauthorized persons. Sharing of passwords is prohibited.

4. Users may not offer, provide, lend, rent, or sell access to university information systems. Users may not provide access to individuals outside the university community.

5. Use of university information systems for hosting non-university activities must have the explicit written authorization of the senior vice president for administration and finance prior to the use.

6. While the university attempts to protect electronic communication and files from unauthorized access, this cannot be guaranteed. Users may not access, copy, or move files including, but not limited to, programs, data, and electronic mail that belong to another account without prior authorization from the account holder. Files may not be moved to other computer sites without permission from the holder of the account under which the files reside.

7. Users may not use remote resources such as printer and file systems, regardless of location on or off the Northeastern network, unless the administrator of the remote resource has first granted permission.

8. Northeastern information systems may be used for lawful purposes only. Users must not use their accounts or Northeastern information systems for unlawful purposes including, but not limited to, the installation of fraudulently or illegally obtained software; illegal dissemination of licensed software; sharing of content where the disseminator does not hold lawful intellectual property rights; propagating chain letters, pyramid, Ponzi, other unlawful or deceptive schemes; or for any purpose contrary to local, state, and/or federal law.

9. Use of university information systems must comply with the provisions of copyright law and fair use. Copyright law limits the right of a user to copy, edit, or transmit electronically another's intellectual property, including written materials, images, sounds, music, and performances, even in an educational context, without permission, except in compliance with the fair use doctrine exception.

10. Users are responsible for the timeliness, accuracy, and content/consequences of their Web pages. Posting of personal, family, or other identifying information is at the sole discretion of the user. Users are advised to exercise discretion when posting personal information to minimize the risk to personal privacy and safety.

11. University information systems may not be used for commercial purposes, except only as permitted with explicit prior written approval of university counsel and the senior vice president for administration and finance.

12. Internet use must comply with the terms of service stipulated by our Internet service provider(s). These policies are incorporated by reference. In addition, the acceptable use, terms of service, and/or other policies of the system(s) also bind users of the Internet connection and resources to which they connect. At the time of writing, the Internet service provider for Northeastern University is Genuity (www.genuity.com).

13. Users may not use information systems irresponsibly, wastefully, or in a manner that adversely affects the work or equipment of others at Northeastern or on the Internet.

14. The university strives to maintain the security and privacy of all electronic communications and content passed on the Northeastern network and, therefore, will not arbitrarily or frivolously review or inspect user files or electronic mail. However, all electronic communications and content presented to and/or passed on the Northeastern network, including that presented to and/or passed to and from the Internet connection(s), may be monitored, examined, saved, read, transcribed, stored, or retransmitted in the course of daily operations by any duly authorized employee or agent of Northeastern University in the exercise of their duties or by law enforcement authorities who are called upon to assist the university in investigating possible wrongdoing. Electronic communications and content may be examined by automated means. Further, Northeastern reserves the right to reject from the network electronic communications and content deemed not in compliance with policies governing the use of information systems at the university. By accessing Northeastern information systems, users give Northeastern permission to conduct each of the operations described above.

15. The confidentiality of any message or material should not be assumed. Even when a message or material is deleted, it may still be possible to retrieve and read that message or material. Further, the use of passwords for security does not guarantee confidentiality. Messages read in HTML may identify the reader to the sender. Aside from the right of the university to retrieve and read any electronic communications or content, such messages or materials should be treated as confidential by other students or employees and accessed only by the intended recipient. Without prior authorization, students and employees are not permitted to retrieve or read electronic mail messages that are not sent to them.

16. All users are required to honor and observe the rules of confidentiality and protection of privacy when accessing and using any information that resides on Northeastern information systems and/or any information that pertains to university programs, students, faculty, and staff. All disclosures of student information must comply with the provisions of the Family Educational Rights and Privacy Act (FERPA) of 1974 (see page 34).

17. Northeastern reserves the right at any time, without prior notice or permission from the user or users of a computer or other Northeastern-owned computing device, to copy or have copied, any and all information from the data-storage mechanisms of such devices, as may be required at the sole discretion of the university, in connection with investigations of possible wrongdoing.

18. The Appropriate Use of Computer and Network Resources Policy specifically prohibits the use of Northeastern University's information systems to:
    • Harass, threaten, defame, slander, or intimidate any individual or group.
    • Generate and/or spread intolerant or hateful material, which in the sole judgment of the university is directed against any individual or group, based on race, religion, national origin, ethnicity, age, gender, marital status, sexual orientation, veteran status, or disability.
    • Transmit or make accessible material, which in the sole judgment of the university is offensive, violent, pornographic, annoying, or harassing, including use of Northeastern information systems to access and/or distribute obscene or sexually explicit material unrelated to university-sanctioned work or bona fide scholarship.
    • Generate unsolicited electronic mail such as chain letters, unsolicited job applications, or commercial announcements.
    • Generate falsely identified messages or message content, including use of forged content of any description.
    • Transmit or make accessible password information.
    • Attempt to access and/or access information systems and/or resources for which authority has not been granted by the system owner(s).
    • Capture, decipher, or record user IDs and/or passwords.
    • Intercept electronic communications not intended for the recipient.
    • Probe by any means, the security mechanisms of any resource on the Northeastern network, or on any other network through a connection to the Northeastern network.
    • Disclose or publish, by any means, the security vulnerabilities of or the means to defeat or disable the security mechanisms of any resource connected to or part of the Northeastern University network.
    • Alter, degrade, damage, or destroy data.
    • Transmit computer viruses or malicious/destructive code of any description.
    • Conduct illegal, deceptive, or fraudulent activity.
    • Obtain, use, or retransmit copyrighted information without permission of the copyright holder.
    • Place bets, wagers, or operate games of chance.
    • Tax, overload, impede, interfere with, damage, or degrade the normal functionality, performance, or integrity of any device, service, or function of Northeastern information systems, content, components, or the resources of any other electronic system, network, service, or property of another party, corporation, institution, or organization.

    The above enumeration is not all-inclusive. If there is a question as to whether a specific use is appropriate or acceptable under this policy, the university's sole determination shall prevail.

19. Use of Northeastern University information systems must comply with all applicable local, state, and federal laws, including, but not limited to, the following, which are incorporated by reference:
    • Massachusetts General Laws Chapter 266, Subsections 33(a) and 120(f), which impose sanctions for, among other acts, destroying electronically processed and stored data or gaining unauthorized access to a database or computer system.
    • United States Code, Title 18, Computer Fraud and Abuse Act, which imposes sanctions for, among other acts, knowingly accessing a computer without authorization or in excess of authorized access, knowingly causing damage to protected computers, or trafficking in password information.
    • United States Code, Title 18, Electronic Communications Privacy Act, which imposes sanctions for, among other acts, interception of wire, oral, or electronic communications.

BEHAVIOR ON CO-OP, ON EXTERNSHIPS, AND IN THE NEIGHBORHOOD

As an urban institution, Northeastern University is a part of the vibrant community and business life of the surrounding neighborhoods. Maintaining amicable and considerate relations between the university and local residents and businesses is essential to the continued cooperation of the university and its neighbors in civic projects and issues and to the furtherance of the

university's broader mission to contribute to the general good of society. The university endeavors to foster conditions under which such beneficial relations exist. Consequently, the university must consider conduct on the part of members of the university community, whether on or off campus and whether isolated or continuing in nature, that is disruptive of these relations; that impairs, interferes with, or obstructs the lawful missions, processes, and functions of the university; or that is found by the university to be abhorrent or offensive to generally accepted standards of social behavior, as inimical to the university's interests.

The university's Code of Student Conduct governs student behavior on co-op, externships, and in the community surrounding the university. In addition, misbehavior in these settings may violate the law, policies of the co-op employer, or rules of the externship sponsor.

BICYCLES

Wherever possible, students should use the bike racks available at various locations on campus. Bicycles should not be chained to fences, doors, trees, or other objects, and under no circumstances may bicycles be brought into any university building. The fire code dictates that all entrances, exits, corridors, and stairwells must be free and clear at all times. Bicycles found in violation of this code will be removed from the area.

CARD PLAYING AND GAMBLING

The university does not permit card playing of any kind in classrooms unless it is a regularly scheduled activity of an organization recognized officially by the Office of Student Activities. Social card games are permitted in the residence halls and in the Curry Student Center. Students may not gamble, play pyramid games, or sell lottery tickets. Casino or other game events are permitted in designated areas that are approved by city and state laws, as part of properly scheduled events, and in strict accordance with regulations issued by the Office of the Vice President for Student Affairs.

COPYRIGHTABLE MATERIALS

It is the general policy of the university that student papers or projects submitted in partial fulfillment of course requirements remain the property of the student authors.

This policy does not apply to (1) "work for hire" as defined by intellectual property laws; (2) work derived wholly or in part from other patented or copyrighted material; (3) work done as part of external grants or contracts in which the contracting documents or regulations define ownership; (4) work in which the university or its agents or employees contribute substantial time or resources; or (5) work considered a thesis or dissertation. The university owns the copyright to any work created or developed by one or more students with the significant use of funds, space, facilities, equipment, materials, or other university resources. The university will not normally construe the payment of salary from unrestricted funds or the provision of office and library facilities as constituting significant use of funds, space, facilities, equipment, materials, or other resources of or administered by the university.

Use of laboratory and/or computer facilities or assistance from one or more faculty or staff members to a student author specifically pertaining to the work constitutes significant use of university resources. In all cases, the provost or his or her designee shall make a good-faith determination concerning significant use, which shall be final and binding on all parties.

In the case of a thesis generated by research performed in whole or in part by a student in the course of or pursuant to an agreement for sponsored research or other written agreement, including an agreement between the author(s) and the university, or utilizing equipment or facilities provided to the university under conditions that impose copyright restrictions, ownership or control shall be determined in accordance with such agreement or restrictions. In the absence of such agreement or restrictions, copyright ownership in such a thesis shall reside in the student. However, the student, as a condition of a degree award, must grant the university the royalty-free right to reproduce and publicly distribute copies of the thesis for limited and noncommercial purposes.

Where necessary to secure to the university an ownership of copyright, students shall assign such rights of copyright, or grant the specified rights of reproduction and distribution, to the university. The university reserves the right to employ, at its discretion, the materials or portions of any work created or developed in the course of an author's relationship with the university, or otherwise covered by the University Patent and Copyright Policy, for promotional, professional, or noncommercial purposes on a royalty-free basis. Certain courses taught at Northeastern University involve students in individual or group assignments or projects involving the creation of materials, objects, or techniques that may be patentable or copyrightable. These courses generally require extraordinary levels of faculty organization and participation and/or substantial university resources.

1. Individual teachers or academic units may require that originals or copies of such papers or projects be retained either temporarily or permanently by the individual teacher or by the unit.
2. A thesis is a student work representing significant original or independent research and for which the student receives a substantial amount of credit toward a degree or certificate. Where there is a question concerning whether or not a student's work is a thesis, the provost or his or her designee shall make a good-faith determination concerning same, which shall be final and binding on all parties.
3. Copies of the university patent and copyright policies are available from the Division of Research Development, 405 Lake Hall, 617.373.4587.

In accordance with university patent and copyright policies, in such courses the university is the owner of all rights in technology, computer programs, or other creative work that may be developed by the undergraduate or graduate student as part of the student's work in those courses. It is the university's intention, where applicable, to disclose and authorize the use of such technology,

programs, or work to nonprofit organizations and to government agencies without a fee. The university may also have the opportunity to license such materials to a commercial enterprise, and in this event, it is the university's intention to share any revenue from such a license with student contributors in an amount determined in accordance with the then-existing university policy or plan. Students are informed early in the semester if the course in which they are enrolled falls within this category and will be asked to sign a letter of agreement. Should the student decline to sign an agreement, he or she will be assigned to another course section—one in which such agreement is not required—or will be given alternative activities not involving such assignments or projects.

COPYRIGHTS AND PATENTS

Any student who makes, as sole or joint inventor, an invention that involved significant use of university resources, including funds, space, facilities, equipment, or materials, or that is subject to terms of a sponsored research or other agreement between the university and another party, shall assign this invention and all associated applications and patents to the university or its designee unless the invention has been released to the inventor in accordance with the applicable provisions of the university patent policy. Any student, whether before or after terminating his or her association with the university, shall do whatever is necessary to enable the university or its designee to take out patents in any and all countries on such invention. The cost and expense of making such assignments and procuring such patents shall be borne by the university or its designee. When an invention is made by a student not involving significant use of funds, space, facilities, equipment, materials, or other resources of or administered by the university, the university will waive its rights, and the invention will be the exclusive property of the student, provided the student's rights in the invention are not altered by the terms of any financial aid received, including external sponsorship, scholarships, fellowships, traineeships, thesis expenses, or other assistance, whether or not administered by the university and provided the invention is not subject to third-party rights.

DEMONSTRATIONS

The university supports as fundamental to the democratic process the rights of all members of the university community to express their views and to protest actions or opinions with which there is disagreement. A university is where individuals express diverse ideas and viewpoints in an atmosphere free of any physical force. The university insists that all demonstrations be peaceful and orderly and abide by university regulations.

- Demonstrators must not block corridors or entrances or use loud noise to disrupt a conference, meeting, or assembly.
- Demonstrations may not be conducted in faculty or administrative offices, classrooms, libraries, or study areas.
- Moving picket lines in university corridors are prohibited. (Protests may be registered by individuals or groups standing in a single line against a corridor wall, but corridors must be kept open at all times for the free passage of other members of the community.)

Students, faculty, or other members of the university community who violate these regulations will be subject to disciplinary action; violators also jeopardize their right to remain in the university community.

DEPARTMENTAL JURISDICTION

Certain departments of the university shall have the power to set down rules and regulations governing the operation of the departments' respective areas of responsibility. Such rules and regulations shall be in accord with the "General Statement of Student Rights and Responsibilities" as well as with the policies pertaining to student conduct as defined in this document.

DISMISSAL FROM CLASS

Students dismissed from classes for insubordination or other disciplinary reasons may not return without the approval of the college and the vice president for student affairs.

IDENTIFICATION CARDS

All students must have in their possession at all times the officially approved and properly validated photo identification card. It will be necessary to show this card as a means of identification when using the library and campus recreational facilities, at athletic contests, at student elections, at university Health & Counseling Services, at Student Accounts, at the Office of the Registrar, to campus police, and elsewhere around the university. All members of the community should be prepared and willing to identify themselves and their guests upon request by authorized personnel. An official photo identification card will be issued to new students during their initial orientation and registration periods. Replacements for lost cards can be obtained at the Office of the Registrar, 120 Hayden Hall.

JURY DUTY

Northeastern expects students to fulfill their civic duties; the university cannot interfere in this process. Students who miss classes because of this obligation must notify their professors in writing, explaining which classes will be missed on which days. The professors will work with students to make up missed assignments or exams. Upon completion of their jury duty, students must bring a copy of the documentation of their service to the appropriate professors. Students on co-op are expected to inform their supervisors if called to jury duty.

MEDIA AND PUBLIC APPEARANCES

In all personal communications to newspapers or other media, as well as personal public appearances in which students identify themselves as members of the Northeastern University community, it should be made clear that the opinions presented are a student's own and not necessarily those of the university. Students who appear on public programs as representatives of Northeastern University must be particularly careful to avoid language or presentations that could be considered in bad taste or offensive.

PETS

Pets are prohibited in all university buildings out of consideration for the general community and to maintain a clean and healthy environment. Exceptions are made for guide dogs and other guide animals.

PUBLIC ACCESS

Access by the general public to attend special programs or functions is limited to those events approved for such attendance. The facilities of the university were designed for the use of members of this academic community. When appropriate, access may be permitted for events and programs when it is apparent that the students, faculty, staff, and alumni of the university and their guests will not fill the facility reserved for such use. In such cases, special provisions must be made to ensure that members of this academic community have priority to attend and are not precluded from attendance by the general public. Certain facilities, such as residence halls, classrooms, and laboratories, are designed for and are to be used by residence hall residents only, or in the case of classrooms and laboratories, by members of this academic community. In all cases, the essential educational purpose of the university cannot be interrupted or disturbed by the access of the general public. Officials of the university may restrict or prevent access by the public if such access disturbs or has the potential to disturb classes or other functions of Northeastern University. Occasionally, access to an area such as the Krentzman Quad will be granted to distribute free literature or provide a public forum for speakers. Such use requires the prior approval of the director of student activities and will be granted only during the Wednesday and Thursday activity periods. The use of facilities such as residence halls or cafeterias for distribution of literature or for speakers is prohibited.

SAFETY GLASSES

Safety glasses must be worn in all chemistry laboratories and other facilities as required.

SALES AND SOLICITATIONS

Northeastern University is not a marketplace. Sales of material or solicitations, such as newspapers and other printed matter, insurance, foodstuffs, and all other articles are prohibited without the express written permission of designated officials of the university. Solicitations of any kind are also prohibited without the express written permission of designated officials. Exceptions to this policy are made for recognized student organizations and residence hall residents. Residence hall residents should request permission to sell within their housing unit from the director of residential life; recognized student organizations should request permission for sales from the director of student activities; all others should apply to the business manager of the university. Such permission, when granted, is for designated areas within the university and is subject to the restrictions imposed by the approving officials. General solicitation, especially in such areas as classrooms, lounges, and cafeterias, is not permitted.

SMOKING

All university administrative and classroom buildings are smoke free and tobacco free. The policy relates to all campuses. The only university facilities not covered by this policy are residence halls and apartment buildings. The sale of cigarettes and other tobacco products is prohibited on campus. Smoking cessation information and programs are available. For further information, contact the Office of Human Resources Management or University Health & Counseling Services.

TAPE RECORDERS

Students may not use tape recorders in the classroom without the instructor's consent. Students with disabilities who need a tape recorder in the classroom may make arrangements through the Disability Resource Center, 20 Dodge Hall.

TEXTBOOKS

Students should purchase or have in their possession the assigned textbooks, problem books, manuals, and other supplies that may be necessary in a classroom or laboratory.

STUDENTS' BILL OF ACADEMIC RIGHTS AND RESPONSIBILITIES

This bill was drafted by the Student Senate, the vice president for student affairs, and members of the Faculty Senate. It was passed in the spring of 1992.

Academic Rights

We, the students of Northeastern University, believe that a quality education is the paramount goal of all students. In order to fulfill this goal, the university must recognize certain rights, which are set down in this document. (The student rights, through their representatives in the Student Government Association [SGA], described in these sections arise from faculty and staff employment responsibilities and obligations to the university. Northeastern University students recognize and accept that it is the sole prerogative of the university to enforce these obligations and responsibilities and to determine whether and to what extent they are being carried out or violated in specific instances. Northeastern University students recognize and accept that their ability to effect redress of complaints arising from these rights is limited to the procedures specified in the current *Graduate Student Handbook*.)

Course-Related Rights

Article 1 Students have the right to instructors who attend scheduled classes on time.

Article 2 Students have the right to view work they submit to satisfy course requirements after it is graded.

Article 3 Students have the right to adequate access to instructors.

Article 4 Students have the right to receive a course outline, which includes a fair and explicit grading policy, at the beginning of each course.

Article 5 Students have the right to instructors who communicate the material pertaining to the course effectively in the English language, except in the case of foreign language instruction.

Article 6 Students have the right to participate in and have access to Student Government Association student teacher course evaluations.

Rights to University Academic Services
Article 7 Students have the right to adequate access to effective academic services, as described in the student handbook and other university publications, provided by the university.

Article 8 Students have the right to an environment conducive to learning. (Because the university operates on a twelve-month calendar in an urban environment, many construction, remodeling, renovation, and repair projects must take place while the university is in session and while other potential distractions from the learning process arise from the surrounding urban environment on which it is dependent but over which it exerts little or no control. Thus, though the university is committed to maintaining an appropriate learning environment for its students, Northeastern University students recognize and accept, as part of their relationship with the university, that the conditions described above may cause occasional disturbances to that environment. The articles shall be interpreted by the Office of the Provost in conjunction with the Office of the Vice President for Student Affairs, and shall be monitored by the Student Government Association. Further, should any student discover that he or she has been subject to any violation of the principles stated herein, the student should follow the appropriate complaint resolution procedure in the *Graduate Student Handbook.* The Student Government Association, if requested by the student, will monitor the progress of any student academic grievances.)

Article 9 Disabled students have the right to be treated in a nondiscriminatory fashion in accordance with the policies described in university publications and consonant state and federal laws.

Scheduling Rights
Article 10 Students have the right to nonconflicting final exam schedules.

Article 11 Students have the right to final exam schedules in accordance with established university policy.

Article 12 Students have the right to be excused from academic commitments for a religious observance.

General Academic Rights
Article 13 Students have the right to be informed, in a timely fashion, of proposed or actual university action to be taken against them.

Article 14 Students have the right of access to their academic and financial aid records and maintenance of the privacy of these records, as provided by the Federal Educational Rights and Privacy Act.

Article 15 Students have the right to be free from harassment by other members of the university community.

Article 16 Students have the right to the redress of academic grievances.

Student Responsibilities
It is each student's responsibility to:
1. Contribute to a climate of open inquiry and honesty in all aspects of the university's academic life.
2. Commit sufficient time and effort for study and the use of library, studio, and computational facilities in connection with each course.
3. Contribute to the classroom/laboratory/studio learning environment through discussion and active participation.
4. Acquire the necessary prerequisites for full participation in each academic course.
5. Attend scheduled classes regularly and on time.
6. Obtain help with problems encountered in a given course by seeking out faculty and teaching assistants outside of class time.
7. Respect the concept of academic freedom of each faculty member.
8. Assist the university in its self-evaluation by responding honestly and conscientiously.

Curriculum and Graduation Requirements by Program

College of Arts, Media and Design

www.northeastern.edu/camd

Xavier Costa, PhD, *Dean*

Alan J. Zaremba, PhD, *Associate Dean for Undergraduate Curriculum and Research*

Richard Strasser, PhD, *Associate Dean for Graduate Studies and Special Programs*

Peter H. Wiederspahn, MArch, *Associate Dean for Faculty and Academic Affairs*

Thomas Michael, MBA, *Associate Dean for Administration and Finance*

Center for Student Academic Services: 1 Meserve Hall
Phone: 617.373.3980
Fax: 617.373.7768
Email contact: csas@neu.edu

Unlike traditional arts or communications colleges, the College of Arts, Media and Design (CAMD) offers a truly interdisciplinary educational experience grounded in collaboration, experimentation, and hands-on learning. Students are strongly encouraged to investigate complementary disciplines to enhance their primary areas of study.

CAMD inspires growth and innovation in the fields that drive today's creative economy. Students are encouraged to develop a strong foundation of skills to help them respond to the opportunities and challenges of our global society.

Within CAMD, collaboration across disciplines helps students explore and link new knowledge and experiences. Throughout Boston and around the globe, our partnerships deepen and enrich opportunities for learning and unite people and ideas.

SCHOOL OF ARCHITECTURE

www.architecture.neu.edu/graduate

George Thrush, MArch
Professor and Director, School of Architecture

Office: 151 Ryder Hall
Phone: 617.373.4637
Fax: 617.373.7080
Email contact: architecture@neu.edu

Northeastern offers a Master of Architecture degree accredited by the National Architectural Accreditation Board. The director of the program is Professor Tim Love.

The program leverages the school's outstanding faculty and pragmatically grounded curriculum. The physical and cultural context of Boston serves as a laboratory for the program's design studios and is design focused but with a different approach than many schools. We find opportunities for innovation within the real estate and construction industries and current policy debates—rather than outside of them. This is how we intend to move architects to the center of the discussion about the future of our cities.

Students take courses in urban housing, practice-integrated design, and do original research on market-driven building types. The final degree project in the design studio offers an opportunity to leverage this research with real innovations in hybrid types, strategic alterations to existing ones, and to take on the challenge of finding prototypical solutions for systemic problems.

In addition to studio courses, graduate students take seminars in architectural theory and design strategy; and electives are available in real estate development, sustainable building techniques, urban landscape, and other topics. There is also a unique course that looks at case studies of architecture firms in practice, problem solving, and innovation. We seek to have students leave our program with a unique balance of technical, theoretical, and strategic tools to make a real difference in the profession.

There are multiple ways that this degree can be completed:

One-Year Program
A Master of Architecture degree is offered as a one-year completion to the five-year Northeastern Bachelor of Science (BS) degree (with a major in architecture). Students who complete the five-year degree at Northeastern with a 2.500 minimum overall grade-point average (GPA) apply for admission to this one-year,

32-semester-hour program. NU students may also avail themselves of the financial benefit of the Double Husky Scholarship.

Two-Year Program

Students who have earned a BS in Architecture (or equivalent) from another institution may apply for entry to the two-year MArch program, which is 68 semester hours. A portfolio is required for applicants to this program.

Three-Year Program

Students with an undergraduate degree in a discipline other than architecture may apply to the 3¼-year MArch 1 program. The program requires three years and a summer to complete. Students spend an optional semester at the school's Berlin program and are enrolled in two four-month internships, with placement assistance by the co-op office. After completing an accelerated introductory curriculum, graduate students in the MArch 1 program merge into the existing curriculum for the MArch program. A portfolio is preferred but not required for applicants to this program.

MArch in Architecture—One-Year Program

YEAR 1, FALL SEMESTER

ARCH 6330 Seminar in Modern Architecture	4 SH
ARCH 6430 Case Studies 1	4 SH
ARCH 7130 Master's Research Studio	6 SH
Graduate elective	4 SH

YEAR 1, SPRING SEMESTER

ARCH 6340 Topics in Architecture	4 SH
ARCH 6440 Case Studies 2	4 SH
ARCH 7140 Master's Degree Project	6 SH

MArch in Architecture—Two-Year Program

YEAR 1, FALL SEMESTER

ARCH 5110 Housing and Aggregation	6 SH
ARCH 5210 Environmental Systems	4 SH
ARCH 6330 Design Tactics and Operations	4 SH
Graduate elective	4 SH

YEAR 1, SPRING SEMESTER

ARCH 5120 Comprehensive Design Studio	6 SH
ARCH 5220 Integrated Building Systems	4 SH
Two graduate electives	8 SH

YEAR 2, FALL SEMESTER

ARCH 6330 Seminar in Modern Architecture	4 SH
ARCH 6430 Case Studies 1	4 SH
ARCH 7130 Master's Research Studio	6 SH
Graduate elective	4 SH

YEAR 2, SPRING SEMESTER

ARCH 6340 Topics in Architecture	4 SH
ARCH 6440 Case Studies 2	4 SH
ARCH 7140 Master's Degree Project	6 SH

MArch in Architecture—Three-Year Program

YEAR 1, SUMMER 2 SEMESTER

ARCH 6100 Graduate Skills Studio	4 SH
ARCH 6110 Graduate Architectural History Case Studies	4 SH

YEAR 1, FALL SEMESTER

ARCH 2230 Structures 1: Statics	4 SH
ARCH 2240 Structures 2: Tectonics	4 SH
ARCH 2330 Nineteenth-Century Architecture and Urbanism	4 SH
ARCH 6200 Graduate Studio 1: Architectural Design	6 SH

YEAR 1, SPRING SEMESTER

ARCH 2340 Twentieth-Century Architecture and Urbanism	4 SH
ARCH 6210 Graduate Studio 2: Urbanism	6 SH
Graduate elective	4 SH

YEAR 2, FALL SEMESTER

ARCH 5110 Housing and Aggregation	6 SH
ARCH 5210 Environmental Systems	4 SH
ARCH 5310 Design Tactics and Operations	4 SH
Graduate elective	4 SH

YEAR 2, SPRING SEMESTER

ARCH 3450 Advanced Architectural Communication	4 SH
ARCH 5120 Comprehensive Design Studio	6 SH
ARCH 5220 Integrated Building Systems	4 SH
ARCH 6340 Topics in Architecture	4 SH

YEAR 3, FALL SEMESTER

ARCH 6330 Seminar in Modern Architecture	4 SH
ARCH 6430 Case Studies 1	4 SH
Master's research course	4 SH
Option studio	6 SH

YEAR 3, SPRING SEMESTER

ARCH 6340 Topics in Architecture	4 SH
ARCH 6440 Case Studies 2	4 SH
ARCH 7140 Master's degree project	6 SH

ART + DESIGN

www.northeastern.edu/camd/artdesign/graduate

NATHAN I. FELDE, MS
Professor and Chair

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Northeastern University offers a Master of Fine Arts (MFA) in Studio Art in conjunction with the School of the Museum of Fine Arts, Boston (SMFA), one of the most distinguished art schools in the United States. Rigorous and highly selective, the two-year MFA degree program seeks to prepare you for a career as a working artist or a teacher at the college level. The curriculum integrates practical and critical skills across diverse media and disciplines. You will have an opportunity to hone your practice through individual innovation, creative collaborations, informal mentorship, and academic discourse. MFA students are enrolled at both Northeastern University and the SMFA and graduate in two years with an MFA degree from Northeastern.

The MFA in Studio Art is a professional program that is both rigorous and highly selective. It seeks to prepare students for careers as working artists or as university professors (the MFA is considered a terminal degree in its field). The curriculum integrates practical and critical skills across diverse media and disciplines; students hone their practice through individual innovation, creative collaborations, informal mentorships, and academic discourse.

In this degree program you will complete 44 semester hours of studio work and graduate seminars at SMFA and 16 hours of art history and academic electives (typically four courses) at Northeastern. You will have your own semiprivate studio space and access to SMFA faculty and equipment. A final thesis exhibition is required. The SMFA is part of the Museum of Fine Arts, Boston, one of the most comprehensive art museums in the world with a collection of nearly 450,000 works of fine art.

MFA in Studio Art

GENERAL REQUIREMENTS

Studio art courses (offered by the SMFA)	44 SH
Required courses (offered by NU)	8 SH
Nonstudio electives (offered by NU)	8 SH

OTHER DEGREE REQUIREMENTS

Thesis exhibition in final semester

SCHOOL OF JOURNALISM

www.northeastern.edu/journalism

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Professor and Director

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Welcome to the graduate program at Northeastern University's School of Journalism. Our school offers a master of arts in three concentrations—professional, journalism in public policy, and research. Our master's program offers a chance to study in Boston with a small and caring faculty of specialists with years of experience and contacts at the highest levels of American journalism.

You can study investigative reporting with Walter Robinson, who led the *Boston Globe*'s Pulitzer-Prize-winning investigation of the sex abuse scandal in the Catholic Church. Study foreign and Washington correspondence with former UPI and *U.S. News & World Report* foreign correspondent Nicholas Daniloff, who made headlines in Moscow when he was taken for a time by the KGB. Or study the cutting edge of interactive media with Jeff Howe, the author of the celebrated book *Crowd Sourcing*. Study ethics with Stephen Burgard, a former member of the *LA Times* editorial board who is an expert on the intersection of religion, politics, and the press. Richard Chacon, the former *Boston Globe* ombudsman, teaches journalism and public policy. Explore sports journalism and sports writing with Charles Fountain, former radio and television sportscaster. Professors Alan Schroeder and Belle Adler have expertise on broadcast and visual journalism. And more.... (Some courses require instructor clearance or are offered periodically.)

Our concentrations offer students opportunities for hands-on training in all aspects of journalism, specialized reporting on public policy, or study that could lead to opportunities in teaching. Our program is also suited for anyone who will work in communication fields where information gathering and writing for general audiences is needed.

Full-time students can complete the program in a year by enrolling in classes during the two summer semesters. Students who participate in Northeastern University's nationally recognized cooperative education program will take longer to graduate. It is also possible to enroll part-time. Students have up to seven years to fulfill the requirements of the program.

MA in Journalism—Professional Track

YEAR 1, FALL SEMESTER
JRNL 6200 Enterprise Reporting   4 SH

YEAR 1, SPRING SEMESTER
JRNL 6201 Research Methods/New Technology   4 SH

YEAR 1, SUMMER 2 SEMESTER
JRNL 6202 Perspective on Journalism Ethics   4 SH

GENERAL REQUIREMENTS
JRNL 5214, 5309, 6352, or 6400   4 SH
Additional required course   4 SH
Four JRNL electives   16 SH

MA in Journalism—Public Policy Track

YEAR 1, FALL SEMESTER
JRNL 6202 Perspective on Journalism Ethics   4 SH
JRNL 6354 Public Policy and the Press   4 SH

YEAR 1, SPRING SEMESTER
JRNL 6300 First Amendment in Digital Age   4 SH

YEAR 1, SUMMER 2 SEMESTER
JRNL 6202 Perspective on Journalism Ethics   4 SH

GENERAL REQUIREMENTS
JRNL 6201 Research Methods/New Technology   4 SH
Four PPUA electives   12 SH

MA in Journalism—Research Track

YEAR 1, FALL SEMESTER
JRNL 6201 or approved research course   4 SH

YEAR 1, SPRING SEMESTER
JRNL 6303 Seminar   4 SH

YEAR 1, SUMMER 2 SEMESTER
JRNL 6202 Perspective on Journalism Ethics   4 SH

GENERAL REQUIREMENTS
JRNL 7990 Thesis   4 SH
Three other required courses   12 SH
Two JRNL electives   8 SH

MUSIC

www.music.neu.edu

ANTHONY P. DE RITIS, PHD
Professor and Chair

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Email contact: Allen G. Feinstein, *Associate Academic Specialist and Head Advisor,* a.feinstein@neu.edu

The Master of Science in Music Industry Leadership (MMIL) program is an intensive one-year leadership program designed for individuals who want to manage the next generation of music companies. The MMIL offers advanced education in the areas of music management, leadership, research, and entrepreneurship with opportunities for immediate and ongoing application to each student's unique professional aspiration.

The Master of Science program focuses on the core scholarly areas of music industry. Students specialize in one of three concentrations: entrepreneurship, professional, and research. Courses seek to provide a solid foundation in music industry theory and analysis while offering students the opportunity to apply the foundational skills to an area of personal interest. Elective courses emphasize the creation and sustainability of music organizations in a rapidly evolving environment. Using an active-learning approach, the program focuses on developing music executives intellectually and ethically, while providing them with a keen appreciation for the complexities of managing in the creative industries. This approach focuses on long-term skills sets that enhance the potential of graduates within a fluid and ever-changing field. The program also emphasizes global leadership qualities that provide a broader vision of the music industry on an international level.

The JD/MS in Music Industry Leadership is a dual-degree program that offers students four opportunities for real-world, experiential learning at the intersection of law and music business. Candidates for the JD/MS program must independently apply and gain admission to the School of Law and the College of Arts, Media and Design. Admission to one school does not ensure admission to the other. Candidates may apply to both schools prior to matriculation at the law school, or students may wait until they are enrolled in the School of Law before seeking admission to the College of Arts, Media and Design. During either the first or second year of law school, students may apply to the MS program during the winter or spring for enrollment the following September. Students enrolled in law school who are interested in pursuing this dual degree should contact the Office of Academic and Student Affairs and Professor Kara Swanson, JD/MS faculty advisor, during the fall or winter of their first or second year for further information.

Curriculum

The MMIL offers students three curriculum options for degree completion. A minimum of 32 semester hours and nine courses (not including the intensive reporting seminar), with a GPA of 3.000, are required for graduation. Each option is designed to highlight a student's strength and longer-term goals. Consultation with the graduate coordinator prior to degree commencement is required to establish a student's ideal concentration.

MS in Music Industry Leadership with Professional Concentration

MUSI 6000 Management of Music Organizations	3 SH
MUSI 6100 Music Industry Research Methodology	3 SH
MUSI 6200 Financial Management in the Music Industry	3 SH
MUSI 6300 Intellectual Property for Music Management	3 SH
MUSI 6400 Marketing Strategies in the Music Industry	3 SH
Business electives	2–12 SH
Music electives	2–22 SH

MS in Music Industry Leadership with Research Concentration

MUSI 6000 Management of Music Organizations	3 SH
MUSI 6100 Music Industry Research Methodology	3 SH
MUSI 6200 Financial Management in the Music Industry	3 SH
MUSI 6300 Intellectual Property for Music Management	3 SH
MUSI 6400 Marketing Strategies in the Music Industry	3 SH
Music electives	2–12 SH
Thesis	8 SH

MS in Music Industry Leadership with Entrepreneurship Concentration

MUSI 6000 Management of Music Organizations	3 SH
MUSI 6100 Music Industry Research Methodology	3 SH
MUSI 6200 Financial Management in the Music Industry	3 SH
MUSI 6300 Intellectual Property for Music Management	3 SH
MUSI 6400 Marketing Strategies in the Music Industry	3 SH
Business electives	2–12 SH
Music electives	2–14 SH
Capstone project	7 SH

JD/MS in Music Industry Leadership

Over the course of 45 months, the program enrolls students successively in the School of Law and the College of Arts, Media and Design. JD/MS candidates must complete the first and last years of the program in the School of Law. The year of music industry courses in the College of Arts, Media and Design may be taken during either the second or third year.

NEC/NU Joint Certificate Programs in Music Performance

The School of Continuing Education at the New England Conservatory (NEC) and the Department of Music at Northeastern University (NU) jointly offer a General Certificate of Merit in Music Performance (24 credits) and a Professional Studies Certificate in Music Performance (48 credits). These programs are geared toward NU undergraduate and graduate students who are interested in improving their abilities to perform on an instrument or voice in the classical or jazz styles.

The certificate in music performance is *in addition to* the student's NU undergraduate or graduate degree—it is an entirely separate and distinct credential. Credits for courses toward the music performance certificate are accumulated and billed separately from credits toward NU undergraduate or graduate degree programs and are not eligible for financial aid.

Courses are offered at NEC (predominantly related to music performance) and at NU (predominantly related to music history and music theory). NEC courses are scheduled during evenings and weekends.

For certificate requirements, please visit www.northeastern.edu /registrar/courses/cat1213-acad-am-musc-cert.pdf.

D'Amore-McKim School of Business

www.cba.neu.edu/grad

HUGH G. COURTNEY, PHD, *Dean*

Peggy L. Fletcher, MBA, *Associate Dean*
of Finance and Administration
Kate E. Klepper, MBA, *Associate Dean of Graduate Programs*
Coleen C. Pantalone, PhD, *Associate Dean*
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Online Business Programs: 350 Dodge Hall
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Modern business faces many challenges from unprecedented political change and the effects of foreign policy, high technology, affirmative action regulations, and new economic policies. These challenges have increased the demand for highly trained individuals equipped to analyze and address our economy's complex social and legal problems.

Programs in the D'Amore-McKim School of Business (DMS) are designed for students who are preparing to take on managerial responsibility. These programs seek to help students develop the ability to recognize and solve business and organizational problems and understand the role of business in the community, the nation, and the world. The college's goals are to help students develop ideals that are ethically sound and socially desirable; cultivate an awareness of the social, political, and economic developments to which businesses must adapt; develop sound judgment and effective communication skills; and develop their individual interests and talents.

MASTER OF SCIENCE

Master of Science programs offer students the opportunity for in-depth study in a particular functional business area. Depending on a student's prior academic background, certain prerequisite courses of study may apply.

Designed for undergraduate accounting majors, the Master of Science in Accounting seeks to give you the advanced accounting knowledge and skills you need to sit for the CPA exam. No prior work experience is required.

With an MS in Taxation, you have an opportunity to learn to analyze the Internal Revenue Code, expand your professional network, and advance your career in taxation. Courses begin three times per year: in fall, spring, and summer.

Northeastern's MS in Finance program emphasizes the skills that are essential for a successful career in finance. You can pursue study in either corporate finance or investments.

Northeastern's MS in International Business (MSIB) is designed for globally focused individuals who want to begin careers in international business.

The Master of Science in Technological Entrepreneurship is an intensive one-year (September to June) ten-course sequence that seeks to teach you what you need to know to be a successful entrepreneur.

MSA—Master of Science in Accounting

GENERAL REQUIREMENTS

ACCT 6203 Business Entity Taxation	3 SH
ACCT 6204 Financial Reporting for Integrated Multinational Enterprises	3 SH
ACCT 6205 Professional Environment of the Audit and Assurance Industry	3 SH
ACCT 6206 Management Control Systems	3 SH
ACCT 6207 Contemporary and Emerging Issues in Financial Reporting	3 SH
ACCT 6216 Financial Reporting for Governments and Nonprofit Entities	2 SH
ACCT 6217 Corporate Governance, Ethics, and Financial Reporting	3 SH
ACCT 6229 Accounting for Foreign Currency Transactions	1 SH
FINA 6221 Entrepreneurial Finance	3 SH
MGMT 6212 Managerial Communication	3 SH
MGMT 6220 Leadership in the Strategy Process	3 SH

MST—Master of Science in Taxation

GENERAL REQUIREMENTS

ACCT 6230 Federal Tax Issues and Analysis	3 SH
ACCT 6231 Corporations and Shareholders	3 SH
ACCT 6232 Estate and Gift Taxation	3 SH
ACCT 6233 Tax Research Methodology	1.5 SH
ACCT 6234 Tax Practice, Procedure, and Ethics	1.5 SH
ACCT 6235 Partners and Partnerships	3 SH
Five electives in the range ACCT 6236 through ACCT 6261	15 SH

MST—Master of Science in Taxation, Online Program

GENERAL REQUIREMENTS

ACCT 6230 Federal Tax Issues and Analysis	3 SH
ACCT 6231 Corporations and Shareholders	3 SH
ACCT 6232 Estate and Gift Taxation	3 SH
ACCT 6233 Tax Research Methodology	1.5 SH
ACCT 6234 Tax Practice, Procedure, and Ethics	1.5 SH
ACCT 6235 Partners and Partnerships	3 SH
Five courses from the following list: ACCT 6239, 6240, 6241, 6243, 6246, 6248, 6249, 6250	15 SH

MSF—Master of Science in Finance

GENERAL REQUIREMENTS

FINA 6201 Financial Theory and Policy	3 SH
FINA 6202 Analysis of Financial Institutions and Markets	3 SH
FINA 6203 Investment Analysis	3 SH
FINA 6204 International Finance Management	3 SH
FINA 6205 Financial Strategy	3 SH
FINA 6206 Finance Seminar	3 SH
Three graduate finance electives	9 SH
One graduate business elective	3 SH

MSF—Master of Science in Finance, Online Program

GENERAL REQUIREMENTS

FINA 6201 Financial Theory and Policy	3 SH
FINA 6202 Analysis of Financial Institutions and Markets	3 SH
FINA 6203 Investment Analysis	3 SH
FINA 6204 International Finance Management	3 SH
FINA 6205 Financial Strategy	3 SH
FINA 6206 Finance Seminar	3 SH
Four electives in the range FINA 6211 through FINA 6219	12 SH

MSIB—Master of Science in International Business

GENERAL REQUIREMENTS

FINA 6204 International Finance Management	3 SH
FINA 6209 Introduction to International Accounting and Finance	3 SH
INTB 6200 Managing the Global Enterprise	3 SH
INTB 6212 Cultural Aspects of International Business	3 SH
INTB 6230 International Field Study	3 SH
MECN 6203 Global Managerial Economics	3 SH
MKTG 6206 International Marketing	3 SH
SCHM 6213 Global Supply Chain Management	3 SH
Two graduate electives	6 SH

MS in Technological Entrepreneurship

GENERAL REQUIREMENTS

TECE 6200 Innovation and Entrepreneurial Growth	3 SH
TECE 6230 Entrepreneurial Marketing in High-Tech Industries	3 SH
TECE 6240 Finance For Technology-Based Entrepreneurial Firms	3 SH
TECE 6250 Technology-Based Product Development Processes	3 SH
TECE 6260 Measuring and Managing the Cost of Production and Growth	3 SH
TECE 6300 Managing a Technology-Based Business	3 SH
TECE 6321 Intellectual Property in an Entrepreneurial Firm	2 SH
TECE 6340 The Technical Entrepreneur as Leader and Innovator	3 SH
TECE 6360 Strategic Entrepreneurship in a Technical Field	3 SH
TECE 7671 Development Project	4 SH

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MASTER OF BUSINESS ADMINISTRATION

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Northeastern University's full-time MBA is a twenty-four-month program designed to enable you to increase your knowledge of business, gain real-world experience, and position yourself for career advancement.

Northeastern's evening MBA is a flexible, part-time program that allows you to complete your degree on your own timetable, set your own schedule, and specialize in an area that meets your career goals.

The high-tech MBA emphasizes the *business* of innovation. You can go beyond the status quo, studying how to identify opportunities for growth and drive change to products, systems, and processes within your organization.

The executive MBA is a sixteen-month, part-time program for seasoned professionals ready to expand their knowledge of global business and hone their leadership skills.

As a student in the online MBA program, you have an opportunity to build on your current career success, expand your managerial skills, and put new learning to use in your place of work. This program is offered completely online.

Full-Time MBA with Concentration in Finance

GENERAL REQUIREMENTS

ACCT 6208 Financial Reporting and Managerial Decision Making	4 SH
BUSN 6200 Career Management	0 SH
BUSN 6207 Developing Critical Skills in Real Time	2 SH
ENTR 6208 Innovation and Enterprise Growth	3 SH
FINA 6203 Investment Analysis	3 SH
FINA 6208 Financial Management for Value Creation	4 SH
HRMG 6208 Effective Organizational and Human Behavior	3 SH
INTB 6208 Global Management	3 SH
INTB 6230 International Field Study	3 SH
MECN 6208 Economics for Managerial Decision Making	2 SH
MGSC 6205 Management of Information Resources	2 SH
MGSC 6207 Data Analysis for Decision Making	2 SH
MGSC 6208 Operations Management	2 SH
MKTG 6208 Marketing and Customer Value	4 SH
SCHM 6208 Managing the Supply Chain	2 SH
STRT 6208 Strategic Decisions for Growth	3 SH
Graduate DMS electives	21 SH

Full-Time MBA with Concentration in Marketing

GENERAL REQUIREMENTS

ACCT 6208 Financial Reporting and Managerial Decision Making	4 SH
BUSN 6200 Career Management	0 SH
BUSN 6207 Developing Critical Skills in Real Time	2 SH
ENTR 6208 Innovation and Enterprise Growth	3 SH
FINA 6208 Financial Management for Value Creation	4 SH

HRMG 6208 Effective Organizational and Human Behavior	3 SH
INTB 6208 Global Management	3 SH
INTB 6230 International Field Study	3 SH
MECN 6208 Economics for Managerial Decision Making	2 SH
MGSC 6205 Management of Information Resources	2 SH
MGSC 6207 Data Analysis for Decision Making	2 SH
MGSC 6208 Operations Management	2 SH
MKTG 6208 Marketing and Customer Value	4 SH
MKTG 6210 Market Research	3 SH
SCHM 6208 Managing the Supply Chain	2 SH
STRT 6208 Strategic Decisions for Growth	3 SH
Graduate DMS electives	21 SH

Full-Time MBA with Concentration in Supply Chain Management

GENERAL REQUIREMENTS

ACCT 6208 Financial Reporting and Managerial Decision Making	4 SH
BUSN 6200 Career Management	0 SH
BUSN 6207 Developing Critical Skills in Real Time	2 SH
ENTR 6208 Innovation and Enterprise Growth	3 SH
FINA 6208 Financial Management for Value Creation	4 SH
HRMG 6208 Effective Organizational and Human Behavior	3 SH
INTB 6208 Global Management	3 SH
INTB 6230 International Field Study	3 SH
MECN 6208 Economics for Managerial Decision Making	2 SH
MGSC 6205 Management of Information Resources	2 SH
MGSC 6207 Data Analysis for Decision Making	2 SH
MGSC 6208 Operations Management	2 SH
MKTG 6208 Marketing and Customer Value	4 SH
SCHM 6208 Managing the Supply Chain	2 SH
SCHM 6213 Global Supply Chain Management	3 SH
STRT 6208 Strategic Decisions for Growth	3 SH
Graduate DMS electives	21 SH

Evening MBA

GENERAL REQUIREMENTS

ACCT 6200 Financial Reporting and Managerial Decision Making 1	3 SH
ACCT 6201 Financial Reporting and Managerial Decision Making 2	1.5 SH
ENTR 6200 Enterprise Growth and Innovation	3 SH
FINA 6200 Value Creation through Financial Decision Making	3 SH
HRMG 6200 Managing People and Organizations	3 SH
INTB 6200 Managing the Global Enterprise	3 SH
MECN 6200 Global Competition and Market Dominance	3 SH
MGSC 6200 Information Analysis	3 SH

MGSC 6204 Managing Information Resources	1.5 SH
MGSC 6206 Management of Service and Manufacturing Operations	3 SH
MKTG 6200 Creating and Sustaining Customer Markets	3 SH
STRT 6200 Strategic Decision Making in a Changing Environment	3 SH
Graduate DMS electives	27 SH

MBA in High Technology

YEAR 1, FALL SEMESTER

ACCT 6280 Financial Reporting and Decision Making for Firms in Innovation-Intensive Industries	3 SH
BUSN 6280 How Executives Shape and Lead Innovation and Enterprise Growth	3 SH
MGMT 6280 Managing Innovation in Products, Systems, and Services	3 SH
MKTG 6280 Market Segmentation and Customer Insight for Next-Generation Products and Services	3 SH

YEAR 1, SPRING SEMESTER

ACCT 6281 Measuring and Managing the Costs of Production and Growth	3 SH
HRMG 6280 Creating and Sustaining High-Performance Teams	3 SH
MKTG 6281 Go-to-Market for New Products and Services	3 SH

YEAR 1, SUMMER 1 SEMESTER

FINA 6280 Corporate Finance for Dynamic Industries	6 SH
INTB 6280 Managing Innovation and Marketing in the Global Enterprise	3 SH

YEAR 2, FALL SEMESTER

FINA 6283 The Economics of Growth and Innovation	3 SH
MGMT 6281 Competitive Strategy for Dynamic Markets, Development, and Execution	3 SH
MGSC 6281 Service Innovation and Management	3 SH

YEAR 2, SPRING SEMESTER

ACCT 6282 The Design and Management of Control Systems within Dynamic Organizations	3 SH
FINA 6281 Mergers and Acquisitions for Enterprise Growth, Strategy, and Mechanics	3 SH
MGMT 6283 Business Law, Corporate Governance, and Intellectual Property Strategies	3 SH

YEAR 2, SUMMER 1 SEMESTER

ENTR 6215 New Venture Creation for Entrepreneurs and Corporate Innovators	3 SH
HRMG 6281 Leading and Implementing Innovation in Organizations	3 SH
MGMT 6282 Negotiation and Communication	3 SH

Executive MBA

YEAR 1, SPRING SEMESTER

ACCT 6290 Interpreting and Evaluating Financial Statements	4 SH
FINA 6290 Financial Tools and Decision Making for Executives	2 SH
HRMG 6290 Building High-Performance Teams	2 SH
HRMG 6291 Leveraging Organizational Development, Motivation, and Leadership for Organizational Effectiveness	3 SH
HRMG 6293 Developing and Applying Personal Leadership Skills	1 SH
MECN 6290 How Economics and Politics Affect U.S. Businesses	3 SH
MGMT 6296 Managerial Communication and Presentations	2 SH
MKTG 6290 Creating and Sustaining Markets	2 SH

YEAR 1, SUMMER 1 SEMESTER

MGSC 6291 Creating Value through Process Improvement	3 SH
MGSC 6292 Delivering Competitive Advantage through IT Strategy	2 SH
SCHM 6290 Sourcing, Making, and Delivering Goods in a Dynamic, Global Business Environment	2 SH

YEAR 2, FALL SEMESTER

ACCT 6291 Identifying Strategic Implications in Accounting Data	3 SH
BUSN 6290 Managing Across Cultures	4 SH
FINA 6291 Creating Value in a Global Business Environment	2 SH
HRMG 6292 Using Human Resource Management for Competitive Advantage	2 SH
INTB 6290 Managing in Diverse Cultures to Execute Global Strategy	2 SH
MKTG 6293 Leveraging Traditional and Digital Platforms for New Marketing Strategy	2 SH
STRT 6291 Changing the Strategic Viewpoint for Competitive Advantage	2 SH

YEAR 2, SPRING SEMESTER

BUSN 6291 International EMBA Residency	4 SH
HRMG 6294 Hallmarks of Effective Leadership	2 SH
INTB 6291 Expanding Globally for New Competitive Advantage	2 SH
INTB 6292 Global Economic and Political Environments	1 SH
MGMT 6293 Developing an Executive Understanding of Business Law and Intellectual Property	2 SH
MGMT 6295 Leadership for High Performance and Organizational Change	2 SH
MKTG 6292 Best Practices for New Product and Services Development	2 SH

Online MBA

GENERAL REQUIREMENTS

ACCT 6218 Financial and Management Accounting	4.5 SH
ENTR 6200 Enterprise Growth and Innovation	3 SH
FINA 6200 Value Creation through Financial Decision Making	3 SH
HRMG 6200 Managing People and Organizations	3 SH
INTB 6200 Managing the Global Enterprise	3 SH
MECN 6200 Global Competition and Market Dominance	3 SH
MGMT 6213 Managing Ethics in the Workplace and Marketplace	2 SH
MGSC 6200 Information Analysis	3 SH
MGSC 6204 Managing Information Resources	1.5 SH
MGSC 6206 Management of Service and Manufacturing Operations	3 SH
MKTG 6200 Creating and Sustaining Customer Markets	3 SH
STRT 6200 Strategic Decision-Making in a Changing Environment	3 SH
Five graduate DMS electives	15 SH

DUAL DEGREES

With an MSA/MBA from Northeastern, you can earn two degrees—an MS in Accounting and an MBA—in just fifteen months. This program is designed for liberal arts, nonaccounting majors.

The MS in Finance/MBA (MSF/MBA) program is open to students admitted to the full-time MBA program, the evening MBA program, or the MS in Finance program.

Northeastern's School of Nursing and D'Amore-McKim School of Business offer the MS/MBA in Nursing program, linking graduate-level management education with specific clinical and organizational issues relevant to nurse managers. The MS/MBA program seeks to provide students with the knowledge, skills, and attitudes necessary to understand, shape, and respond to the dynamic forces at play in today's health-care environment.

The JD/MBA is a powerful combination that seeks to equip candidates to operate with equal facility in the increasingly interdependent legal and business spheres. Northeastern University offers an accelerated forty-five-month program in which students concurrently earn an MBA through the D'Amore-McKim School of Business and a JD through the School of Law. Northeastern's dynamic co-op program gives students hands-on experience in combining the legal and business worlds.

MSA/MBA in Professional Accounting

YEAR 1, SUMMER 1 SEMESTER

ACCT 6220 Corporate Financial Reporting and Decision Making 1	3 SH
HRMG 6200 Managing People and Organizations	3 SH

YEAR 1, SUMMER 2 SEMESTER

ACCT 6221 Corporate Financial Reporting and Decision Making 2	6 SH
MECN 6200 Global Competition and Market Dominance	3 SH
MGSC 6200 Information Analysis	3 SH

YEAR 1, FALL SEMESTER

ACCT 6217 Corporate Governance, Ethics, and Financial Reporting	3 SH
ACCT 6222 Corporate and Governmental/Nonprofit Financial Reporting and Decision Making	6 SH
ACCT 6223 Audit and Other Assurance Services	6 SH
ACCT 6224 Taxation of Individuals and Business Entities	6 SH
MGSC 6201 Information Systems and Technology	3 SH

YEAR 2, SPRING SEMESTER

ACCT 6226 Strategic Cost Management	3 SH
MGSC 6206 Management of Service and Manufacturing Operations	3 SH

YEAR 2, SUMMER 1 SEMESTER

ACCT 6227 Accounting for Business Combinations	3 SH
ENTR 6211 Entrepreneurship: Services and Retail Business Creation	3 SH
FINA 6200 Value Creation through Financial Decision Making	3 SH
MKTG 6200 Creating and Sustaining Customer Markets	3 SH

YEAR 2, SUMMER 2 SEMESTER

ACCT 6228 Contemporary Issues in Accounting Theory	3 SH
INTB 6200 Managing the Global Enterprise	3 SH
MGMT 6210 Legal and Ethical Aspects of Business	3 SH
STRT 6200 Strategic Decision-Making in a Changing Environment	3 SH

Full-Time MSF/MBA

GENERAL REQUIREMENTS

ACCT 6208 Financial Reporting and Managerial Decision Making	4 SH
BUSN 6200 Career Management	0 SH
BUSN 6207 Developing Critical Skills in Real Time	2 SH
ENTR 6208 Innovation and Enterprise Growth	3 SH
FINA 6203 Investment Analysis	3 SH
FINA 6204 International Finance Management	3 SH
FINA 6205 Financial Strategy	3 SH
FINA 6206 Finance Seminar	3 SH
FINA 6208 Financial Management for Value Creation	4 SH
HRMG 6208 Effective Organizational and Human Behavior	3 SH
INTB 6208 Global Management	3 SH
INTB 6230 International Field Study	3 SH
MECN 6208 Economics for Managerial Decision Making	2 SH
MGSC 6205 Management of Information Resources	2 SH
MGSC 6207 Data Analysis for Decision Making	2 SH
MGSC 6208 Operations Management	2 SH
MKTG 6208 Marketing and Customer Value	4 SH
SCHM 6208 Managing the Supply Chain	2 SH
STRT 6208 Strategic Decisions for Growth	3 SH
Graduate finance electives	12 SH
Graduate business electives	9 SH

Evening MSF/MBA

GENERAL REQUIREMENTS

ACCT 6200 Financial Reporting and Managerial Decision Making 1	3 SH
ACCT 6201 Financial Reporting and Managerial Decision Making 2	1.5 SH
ENTR 6200 Enterprise Growth and Innovation	3 SH
FINA 6200 Value Creation through Financial Decision Making	3 SH
FINA 6203 Investment Analysis	3 SH
FINA 6204 International Finance Management	3 SH

FINA 6205 Financial Strategy	3 SH
FINA 6206 Finance Seminar	3 SH
HRMG 6200 Managing People and Organizations	3 SH
INTB 6200 Managing the Global Enterprise	3 SH
MECN 6200 Global Competition and Market Dominance	3 SH
MGSC 6204 Managing Information Resources	1.5 SH
MGSC 6206 Management of Service and Manufacturing Operations	3 SH
MKTG 6200 Creating and Sustaining Customer Markets	3 SH
STRT 6200 Strategic Decision Making in a Changing Environment	3 SH
Graduate finance electives	12 SH
Graduate business electives	15 SH

MS/MBA in Nursing

ACCT 6200 Financial Reporting and Managerial Decision Making I	3 SH
ACCT 6201 Financial Reporting and Managerial Decision Making II	1.5 SH
ENTR 6200 Technology, Entrepreneurship, and Enterprise Growth	3 SH
FINA 6200 Value Creation through Financial Decision Making	3 SH
INTB 6200 Managing the Global Enterprise	3 SH
MECN 6200 Global Competition and Market Dominance	3 SH
MGSC 6200 Information Analysis	3 SH
MGSC 6206 Management of Service and Manufacturing Operations	3 SH
MKTG 6200 Creating and Sustaining Customer Markets	3 SH
NRSG 5118 Health Care Systems and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 5124 Research Applications	1 SH
NRSG 6301 Human Resources and Operations	3 SH
NRSG 6302 Health Policy and Law	3 SH
NRSG 6303 Nursing and Business	2 SH
NRSG 6304 Health Care Informatics	4 SH
NRSG 6305 Case Management	2 SH
NRSG 6500 Nursing Administration Practicum I	4 SH
NRSG 6501 Nursing Administration Practicum II	4 SH
NRSG 6502 Health Care Informatics Practicum	2 SH
NRSG 7105 Translating Evidence into Practice	3 SH
STRT 6200 Strategic Decision Making in a Changing Environment	3 SH
Graduate business specialization electives	5 SH

JD/MBA

Concurrent degree candidates follow a set schedule, as follows:

YEAR 1

Nine months of traditional first-year law study, followed by a three-month legal co-op in the summer.

YEAR 2

Twelve months of courses in the business school, followed by a combined, three-month law/business co-op in the fall.

YEAR 3

Three months of law school courses during each of the winter and spring quarters, followed by a law/business co-op in the summer quarter.

YEAR 4

Three months of law school courses in the fall, a final law/business co-op in the winter, and three months of law courses in the spring, with commencement ceremonies for both schools in the spring.

College of Computer and Information Science

www.ccs.neu.edu/graduate

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David Blank-Edelman, *Director of Technology*
Agnes H. Chan, PhD, *Associate Dean and Director
   of Graduate Studies*
Harriet J. Fell, PhD, *Director of Information Science Program*
Doreen L. Hodgkin, MEd, *Associate Dean, Administration
   and Student Affairs*
Bryan Lackaye, EdD, *Assistant Dean for Graduate Programs*
Jennifer Wong, *Director of Development*

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The College of Computer and Information Science (CCIS) maintains a strong research program with significant funding from the major federal research agencies and private industry. With a substantial increase in faculty strength and research funding in recent years, we are actively seeking highly motivated, bright, hardworking students who are interested in pursuing a PhD degree in computer science or in the interdisciplinary field of information assurance. Graduate students and faculty members are involved in exciting projects in a wide range of research areas, including programming languages, software engineering, distributed and parallel computing, cryptography, network security, health informatics, network science, databases, information retrieval, and artificial intelligence. Colloquia and weekly research seminars contribute to the vibrant research atmosphere in the college.

Our curriculum encompasses both the breadth and depth needed for graduate school. Specialized, advanced courses for PhD students in computer science, information assurance, and personal health informatics are designed to prepare all students for research early in their doctoral education.

The MS curriculum in computer science combines the study of basic algorithms and theoretical computer science principles with advanced programming and software design methods. It offers students the opportunity to develop the analytical and problem-solving skills needed to pursue challenging professional careers.

In addition, we offer two interdisciplinary master's degree programs for working professionals: the MS in Health Informatics program, which seeks to prepare graduates to use information technology to improve health-care delivery and outcomes; and the MS in Information Assurance program, which focuses on information technology and incorporates the understanding of the social sciences, law, criminology, and management needed to prevent and combat cyber attacks.

Three student laboratories house a mix of Linux and Windows workstations and separate research lab facilities. In addition, the Information Assurance Laboratory provides students with hands-on experience in information assurance exercises in an isolated network environment.

All faculty and supported graduate students have their own workstations. Our computing facilities, supported by our own systems administrators and assisted by the student crew, are connected via a high-speed network and serviced by a cadre of dedicated data servers.

Our college is a tightly knit community, and the faculty, staff, and students interact regularly through half-yearly town hall meetings, weekly teas, and seminars. A diverse, multicultural graduate student body and faculty members encourage rich extracurricular interaction. The student chapter of the Association for Computing Machinery organizes a number of social events to promote friendship and camaraderie within the CCIS community.

Transferring to the CCIS

A maximum of 9 semester hours of credit obtained at another institution may be accepted toward the degree, provided the credits consist of work taken at the graduate level for graduate credit, carry grades of 3.000 or better, have been earned at an accredited institution, and have not been used toward any other degree. Transfer credit will be offered only for courses that match a course offered at Northeastern University and that have been approved by the graduate committee. However, **no** transfer credits will be given for courses listed as interdisciplinary.

Academic Requirements for PhD Programs

A minimum of 16 semester hours of course work beyond the master's degree (excluding the six required core courses), or 48 semester hours of course work beyond the BS/BA degree, is required of all students.

ADMISSION TO CANDIDACY

All students must demonstrate sufficient knowledge in the fundamentals of computer science, as well as the ability to carry out research in an area of computer science.

The student must maintain a minimum GPA of 3.500 among the six courses satisfying the above course requirements and a grade of B or better in each of these courses. Students who have taken equivalent courses in other institutions may petition to be

exempted from the course(s) (subject to the approval of the PhD committee). Each student may repeat a course once for no more than three out of the six courses if they do not receive a B or better in the course. Students with an MS in Computer Science may petition to the PhD committee for an exemption from these courses. Petition forms are available in the college administrative office at 202 West Village H.

The fields listed do not necessarily represent areas of specialization or separate tracks within the PhD program. Rather, they attempt to delineate areas on which the student must be examined in order to measure his or her ability to complete the degree. Therefore, they may be adjusted in the future to reflect changes in the discipline of computer science and in faculty interests within the CCIS. Similarly, these fields do not represent the only areas in which a student may write his or her dissertation. They are, however, intended to serve as a basis for performing fundamental research in computer science.

RESEARCH/SURVEY PAPER

To demonstrate research ability, the student is required to submit to the PhD committee a research or a survey paper in an area of specialty under the supervision of a faculty advisor. Normally, the length of the paper should not exceed fifteen pages. A submitted paper from a student is considered to have fulfilled the paper requirement if:

1. The paper has been submitted to a selective conference.
2. The student has made substantial contribution to the paper.
3. The advisor has endorsed the paper with a written statement indicating the student's contribution.
4. The PhD committee has voted on a positive recommendation.

Upon completion of the course and the research paper requirements, the student is admitted to candidacy for the PhD degree. It is highly recommended that the student complete the candidacy requirement by the end of his or her second year.

RESIDENCY

One year of continuous full-time study is required after admission to the PhD candidacy. It is expected that during this period the student will make substantial progress in preparing for the comprehensive examination.

COMPREHENSIVE EXAMINATION

The examination is taken after the student has achieved sufficient depth in a field of study in order to prepare a prospectus for the PhD dissertation. This process should take place no later than the fall semester of the fifth year in residence. Prior to taking the comprehensive examination, the student prepares a thesis proposal for the examination, which describes the proposed research, including the relevant background materials from the literature. The thesis proposal should clearly specify the research problems to be attacked, the techniques to be used, and a schedule of milestones toward completion. Normally, the thesis proposal should not exceed fifteen pages, excluding appendices and bibliography.

The thesis proposal must be approved by the comprehensive committee. It is strongly recommended that the same members should serve on both the comprehensive and thesis committees. With the help of the advisor, a student selects the comprehensive committee, consisting of four members to be approved by the PhD committee. The four members must include the advisor, two other faculty members from the college, and an external examiner (optional for comprehensive committee).

To help the PhD committee to make an informed decision, a copy of the external examiner's résumé should be submitted at the same time. Upon approval of the written proposal, the student has to present the proposed work orally in a public forum, followed by a closed-door oral examination from the comprehensive committee. The student may take the comprehensive examination twice, at most.

DOCTORAL DISSERTATION

Upon successful completion of solving the research proposed in the thesis proposal, the candidate has an opportunity to prepare the dissertation for approval by the doctoral committee. The dissertation must contain results of extensive research and make an original contribution to the field of computer science. The work should give evidence of the candidate's ability to carry out independent research. It is expected that the dissertation should be of sufficient quality to merit publication in a reputable journal in computer science.

Doctoral Committee

If the thesis committee is the same as the comprehensive committee, no further approval is needed. If the thesis committee is changed in its composition, approval process will follow that of the comprehensive committee.

Dissertation Defense

The dissertation defense is held in accordance with the regulations of the University Graduate Council. It consists of a lecture given by the candidate on the subject matter of the dissertation. This is followed by questions from the doctoral committee and others in attendance concerning the results of the dissertation as well as any related matters. The examination is chaired by the PhD advisor.

TIME AND TIME LIMITATION

After the establishment of degree candidacy, a maximum of five years will be allowed for the completion of the degree requirements, unless an extension is granted by the college graduate committee.

<div style="background:red">COMPUTER SCIENCE</div>

Our PhD in Computer Science program seeks to prepare students to conduct state-of-the-art computer science research in preparation for careers in government, industry, and academia. Similarly, our MS in Computer Science program offers students the opportunity to broadly expand their knowledge in the field while focusing on one of our curricular specialties:

- Artificial intelligence
- Computer science theory
- Database management
- Graphics and robotics
- Human/computer interaction
- Information security
- Networks
- Programming languages
- Software engineering
- Systems

Graduate education in computer science also features the top-ranked Northeastern co-op program, enabling students to supplement their classroom education with real-world experience in the field. We have consistently placed more than 95 percent of our students in co-op positions. The college partners with several high-profile companies, including:

- Amazon
- Bloomberg
- EMC Corporation
- Fidelity Investments
- IBM Corporation
- Intuit
- Kronos
- Mathworks
- Microsoft
- Nokia
- Phase Forward
- SeaChange International
- Verizon Communications

Admission Requirements

Applicants must submit an official application, official transcripts from all colleges/universities attended, a personal statement, official scores of the GRE General Test, and three letters of recommendation. International students must also submit official scores of the TOEFL examination. Acceptance into the CCIS is granted upon recommendation of the college graduate committee after a review of the completed application.

Candidates must have completed the undergraduate material listed below:

- Experience in some high-level procedural language, e.g., C, C++, Java, Scheme, ML
- Data structures
- Computer organization
- One year of college calculus
- Discrete mathematics

Industrial experience in these areas may be an acceptable substitute for formal course work. Students may be accepted provisionally while completing these deficiencies and may take graduate courses concurrently as their preparation allows.

MSCS—Master of Science in Computer Science

YEAR 1, FALL SEMESTER

CCIS concentration elective	4 SH
CS 5010 Programming Design Paradigm	4 SH
Coreq. CS 5011	
CS 5011 Recitation for CS 5010	0 SH
Coreq. CS 5010	

YEAR 1, SPRING SEMESTER

CS 5500 or CS 5600	4 SH
CS 5800 Algorithms	4 SH

YEAR 2, FALL SEMESTER

CCIS concentration elective	4 SH
CCIS elective	4 SH

YEAR 2, SPRING SEMESTER

Two CCIS electives	8 SH

PhD in Computer Science

GENERAL REQUIREMENTS

CCIS specilization course	4 SH
CCIS specilization course	4 SH
CS 7400 Intensive Principles of Programming Languages	4 SH
CS 7600 Intensive Computer Systems	4 SH
CS 7800 Advanced Algorithms	4 SH
CS 7805 Theory of Computation	4 SH
Four open electives	16 SH

HEALTH INFORMATICS

MS in Health Informatics

See Bouvé College of Health Sciences Interdisciplinary programs, page 103, for curriculum information.

PhD in Personal Health Informatics

ADMITTANCE

Students will be accepted with either of the following:

- A bachelor's or higher degree in a technical discipline (e.g., computer science or information science, computer systems engineering) with either academic or work experience demonstrating a commitment to working in health or

- A bachelor's or higher degree in a health science discipline (e.g., nursing, medicine, physical therapy, pharmacy, public health) with either some academic course work in technology, such as a course in programming or design, or work experience where the applicant participated in the development, adaptation, or evaluation of consumer- or patient-facing health technology. (Otherwise outstanding applicants without programming skills may be advised to take an introductory programming course prior to entry, and otherwise outstanding applicants without any formal experience working in health settings may be advised to spend some time volunteering in a medical or community health setting prior to entry.)

Applicants will be expected to have a minimum of 3.000 undergraduate GPA; a minimum total GRE score of 1200; a minimum GRE academic writing score of 3.5; and, for international applicants, a minimum TOEFL score of 105.

DEGREE REQUIREMENTS

Year One

Students take core courses in theoretical foundations of health interface design, software engineering, human-computer interaction, and statistics. Some course content links with a usability evaluation practicum requirement, where all students are paired for a semester with a practitioner in a health field. In the practicum, the students shadow the professional and study patients and their information needs. The student develops proposals for improving patient care using patient-facing technology.

Year Two

In addition to other core courses (research methods, health-care data standards), students participate in a two-semester, team-taught course, "Personal Health Interface Design, Development, and Evaluation," where they work in teams to assess needs in the field using experiences from their practicums and collaboratively design, develop, deploy, and evaluate a personal health or wellness interface technology, either in a local clinical setting or among a population of at-risk individuals associated with one of Bouvé's centers. This research offers practical experience working in the field with consumers/patients, creating sophisticated technology, conducting formal needs assessment and evaluation,

and writing high-quality publications. Modules throughout the course, taught by faculty affiliated with the Personal Health Informatics Doctoral Program, offer additional core material such as running clinical trials, health dialogue systems, computerized sensing systems, etc.

Years Three–Five

Students work on individual research projects. We anticipate that students graduating from this program will have multiple, strong publications showing proficiency in building and deploying novel technologies for consumer- and patient-focused care.

CREDIT REQUIREMENT

A minimum of 48 credit hours of course work beyond a BS is required.

MINIMUM ACADEMIC STANDARDS AND REQUIREMENTS

Residency Requirement

The residency requirement will follow the University Graduate Council By-Law policy.

Dissertation Advising

Each student will have one primary advisor from the Personal Health Informatics Doctoral Program faculty.

Dissertation Committee

The committee will consist of at least three members: the dissertation advisor, one additional Personal Health Informatics Doctoral Program faculty member, and one member external to Northeastern who is an expert in the specific personal health informatics topic of research. The dissertation committee shall include experts with both health and technology backgrounds. The dissertation advisor must be a full-time member of the Northeastern University faculty.

Qualifying Examination

The qualifying examination consists of a three-part exam conducted by a committee of three Personal Health Informatics Doctoral Program faculty members, each overseeing one part of the exam. The research core of the exam is fulfilled with submission of a high-quality paper to a strong peer-reviewed conference or journal. The health component of the exam is fulfilled when the student passes a written exam developed by a Personal Health Informatics Doctoral Program faculty member with a health sciences background, and the technical component of the exam is fulfilled when the student passes an exam developed by a Personal Health Informatics Doctoral Program faculty member with a technical background. The content of the written exams and the paper topic are developed in consultation with each faculty member.

Degree Candidacy

A student is considered a PhD degree candidate upon meeting these conditions:

- Completion of core courses with a minimum GPA of 3.000 overall on the core courses
- Completion of the qualifying examination

Comprehensive Exam

A PhD student must submit a written dissertation proposal to the dissertation committee. The proposal should identify the research problem, the research plan, and its potential impact on the field. A presentation of the proposal will be made in an open forum, and the student must successfully defend it before the dissertation committee.

Dissertation Defense

A PhD student must complete and defend a dissertation that involves original research in personal health informatics.

CURRICULUM REQUIREMENTS

Required and Elective Courses

The curriculum is designed to provide all PhD students with a strong foundation in principles critical to the design and evaluation of personal health interfaces. Six core courses (24 semester hours) are taken by all students, with an additional seminar speaker series (1 semester hour) and practicum (1 semester hour). All students must also fulfill the programming fundamentals requirement (4 semester hours) and the statistics fundamentals requirement (4 semester hours), where some flexibility in course selection allows tailoring based on background and experience. Two additional research electives (8 semester hours) are selected based on research interests from the personal health informatics electives list.

PROGRAM ASSESSMENT

Learning Outcomes

This program seeks to produce graduates who are capable of leading and performing independent, new research projects related to personal health informatics and who are well prepared to enter into a number of potential career paths, including industrial research positions, government consultants, postdoctoral or junior faculty positions in academic institutions in either technology programs or schools of health science, public health, or medicine.

Degree Outcomes

The dissertation committee evaluates whether the student has produced a significant contribution to Personal Health Informatics research. The process used by the dissertation committee is based on an assessment of the goals and objectives described in the written PhD proposal. Student success can also be measured in the number and quality of publications generated by the research.

Improving Effectiveness

Publication venues will provide a means to assess the quality of the program, as well as the research projects. External research funding and incoming student quality will be used to measure program strength. In addition, graduates will be asked for feedback concerning their training and program preparation.

YEAR 1, FALL SEMESTER

CS 5010 Program Design Paradigm	4 SH
or other approved advanced programming course	
HINF 5200 Theoretical Foundations in Personal Health Informatics	4 SH

YEAR 1, SPRING SEMESTER

CS 5340 Human/Computer Interaction	4 SH
HINF 5XXX Personal Health Informatics Usability Evaluation Practicum (pending approval)	2 SH
MATH 7245 Statistics for Health Sciences or MATH 7343 Applied Statistics or PHTH 5210 Biostatistics in Public Health	3 or 4 SH

YEAR 2, FALL SEMESTER

CS 6350 Empirical Research Methods	4 SH
HINF 5XXX Personal Health Interface System Design, Development, and Evaluation 1 (pending approval)	4 SH
Research	1 SH

YEAR 2, SPRING SEMESTER

HINF 5XXX Personal Health Interface System Design, Development, and Evaluation 2 (pending approval)	5 SH
HINF 5XXX Health Data Systems Standards and Interchange (pending approval)	4 SH

YEAR 3, FALL SEMESTER

Personal Health Informatics graduate elective	4 SH
Research (candidacy preparation)	1 SH

YEAR 3, SPRING SEMESTER

Personal Health Informatics graduate elective	4 SH
Research (comprehensive exam)	1 SH

YEAR 4, FALL SEMESTER

Research	1 SH

YEAR 4, SPRING SEMESTER

Research (dissertation proposal defense)	1 SH

INFORMATION ASSURANCE

We offer both the PhD and MS degree programs in information assurance to meet a wide range of student needs. Each provides interdisciplinary knowledge and skills, focusing on information technology as well as how law, policy, and human behavior influence measures to address global threats to cyberspace.

Our MS in Information Assurance program combines an understanding of information technology with relevant knowledge from law, the social sciences, criminology, and management. The MS in Information Assurance program is designed for working professionals and others who want knowledge they can apply in their workplaces to assess and manage information security risks effectively. The program provides a natural path to the PhD in Information Assurance program for students who want to pursue research in the field and careers involving research.

The research-focused, interdisciplinary PhD in Information Assurance program combines a strong technical foundation with a policy and social sciences perspective. It seeks to prepare graduates to advance the reliability and security of cyberspace in industry, academia, and government. The interdisciplinary nature of the program distinguishes it from traditional doctoral degree programs in computer science, computer engineering, or electrical engineering and makes it unique in the Boston area.

Admission Requirements

Admission to the Master of Science in Information Assurance program requires:

- A bachelor's degree.
- Knowledge of basic information technology concepts and mathematics. To ensure an adequate background, students are expected to have taken courses or have experience in introductory computer systems and discrete mathematics. If students do not have this preparation, their advisers will assign the necessary prerequisite courses.
- The Graduate Record Examination (GRE) is highly recommended for applicants to the MS in Information Assurance program who would like to be considered for financial assistance. A combined GRE score of 1100 and writing score of 3, or a TOEFL score of 250 CBT/100 IBT, is recommended. English tests may be required of international students when they arrive on campus.
- International students must submit official scores on the TOEFL examination and a Declaration and Certification of Finances (DCF) form (if applicable).

MSIA—Master of Science in Information Assurance

GENERAL REQUIREMENTS

IA 5010 Foundations of Information Assurance	4 SH
IA 7900 Capstone project/seminar	4 SH
Four courses from the following list: IA 5120, 5130, 5150, 5200, 5210, 5240, 5250, 6120	16 SH
Two electives from the following list: CRIM 7224, 7242, 7252, CS 5200, 5500, 5600, 5700, 6540, 6740, MGMT 6215	8 SH

PhD in Information Assurance

GENERAL REQUIREMENTS

CS 5700 or EECE 7338	4 SH
CS 5770 Software Vulnerabilities and Security	4 SH
CS 6740 or CS 6750	4 SH
IA 5200 Security Risk Management and Assessment	4 SH
IA 5240 Cyberlaw: Privacy, Ethics, and Digital Rights	4 SH
Other required course work	28 SH

College of Engineering

www.coe.neu.edu/coe/graduate

NADINE AUBRY, PHD, *Dean*

Sara Wadia-Fascetti, PhD, *Associate Dean for Research and Graduate Studies*

Office: 130 Snell Engineering Center
Phone: 617.373.2711

The Graduate School of Engineering (GSE) offers research and professional degree programs designed to help students prepare themselves for technical positions in industrial organizations, government laboratories, research laboratories, and educational institutions. We offer extensive day graduate programs as well as Master of Science and doctoral degree programs on a part-time basis in the evening. An interdisciplinary PhD degree is also available for graduate students whose interests overlap two or more departments or programs.

Admission Requirements

In order to be minimally qualified to pursue admission through the GSE, a candidate must have successfully completed or be in the process of completing an undergraduate bachelor's degree from a regionally accredited U.S. college or university or its equivalent from a foreign college or university. Any offer of admission is contingent upon a candidate's successful completion of an undergraduate bachelor's degree from a regionally accredited U.S. college or university or its equivalent from a foreign college or university.

For most GSE programs, in order to be qualified for admissions consideration from an undergraduate academic preparation standpoint, candidates are required to have had an engineering major directly related to their graduate program of interest, but some exceptions are made. For the MS in Engineering Management program, a degree in mathematics or physics with linear algebra and multivariable calculus, or students of any major with the equivalent background in mathematics as an engineering major, are acceptable. For the MS in Energy Systems program, quantitative business or finance majors are acceptable if candidates also have some background in computer science and calculus. For the MS in Information Systems program, any technical major (i.e., science, mathematics) is acceptable. For mechanical engineering programs, majors in applied physics are acceptable. For the MS in Operations Research program, majors in any science discipline, including computer science and mathematics, are acceptable; other majors considered are

economics, business, or other liberal arts with some background in calculus and linear algebra. For the MS in Telecommunications Systems Management program, majors in mathematics, physics, or computer science are acceptable.

In terms of the admissions process, note that every element of any candidate's background is considered, that there is no single factor that determines whether or not a candidate is admitted, that there are no guarantees of admission for any candidate, and that the decision rests solely with the appropriate faculty admissions committee. The GSE does not have a minimum GPA standard for admissions consideration, although the quality/difficulty of a candidate's undergraduate preparation is considered relative to a candidate's GPA.

Application requirements:

- Online application.
- Statement of purpose.
- Professional résumé.
- Transcript(s) from any and all colleges or universities attended evidencing all courses, grades, and credits, as well as any diploma(s) or provisional certificate(s) evidencing that degree(s) have been conferred.
- Two letters of recommendation.
- Official GRE scores are required for all applicants who have not received a BS in engineering from a U.S. ABET (Accreditation Board for Engineering and Technology)–accredited school.
- Proof of English-language proficiency (for non-native English-language speakers). Official TOEFL or IELTS scores are required of applicants whose native language is not English. Note that applicants who hold or will hold a graduate or undergraduate degree from a college or university in a country where English is the official and predominantly spoken language before beginning any graduate engineering program at Northeastern, if admitted, are exempt from this requirement.

www.coe.neu.edu/gse/programs/BioE/BION/index.html

JEFFREY W. RUBERTI, PhD
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The principal mission of the bioengineering program is to provide highly qualified students of varying engineering backgrounds with both a broad appreciation of interdisciplinary research at the interface of biology, medicine, and engineering and the ability to undertake a highly focused, quantitative approach to a particular problem.

This program draws on the expertise of faculty across the university and reflects the significant strengths of bioengineering research in multiple areas. Students accepted to the program complete a rigorous core curriculum in a basic bioengineering science followed by completion of an immersion track curriculum. There are currently seven tracks from which to choose:

- Track 0: General Bioengineering Studies
- Track 1: Bioimaging and Signal Processing
- Track 2: Biomechanics and Mechanobiology
- Track 3: BioMEMs/BioNANO
- Track 4: Biochemical and Bioenvironmental Engineering
- Track 5: Motor Control
- Track 6: Biocomputing

PhD in Bioengineering
Note: "TBD" stands for "to be determined."

GENERAL REQUIREMENTS

BIOE 5100 Medical Physiology	4 SH
BIOE 7374 Special Topics in Bioengineering	4 SH
BIOE 7390 Seminar	0 SH
Complete one of the following courses:	
CHME 7320 Chemical Engineering Mathematics	4 SH
EECE 7200 Linear Systems Analysis	4 SH
EECE 7203 Complex Variable Theory and Differential Equations	4 SH
ME 7205 Advanced Mathematical Methods for Mechanical Engineers	4 SH
Complete three of the following courses:	
BIOE TBD Special Topics: Introduction to Biomaterials	4 SH
BIOE 9990 Dissertation	0 SH
CHME 5630 Biochemical Engineering	4 SH
EECE 5664 Biomedical Signal Processing	4 SH
ME 5667 Solid Mechanics of Cells and Tissues	4 SH
Required and elective track courses	24 SH

www.northeastern.edu/che

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The department offers a Master of Science and Doctor of Philosophy in Chemical Engineering. The MS degree is offered as either a thesis (full-time) or a nonthesis (part-time) degree. The PhD degree is only offered as a full-time program. Most courses are offered in the late afternoon or early evening to make them accessible to part-time students pursuing full-time industrial careers.

Both full-time MS and PhD candidates are able to select thesis topics from a diverse range of faculty research interest. New graduate students can learn about ongoing research topics from individual faculty members, faculty websites, and graduate student seminars. Graduate student seminars are held on a regular basis and provide an interactive forum for learning and exchanging research ideas.

MSCHE—Master of Science in Chemical Engineering, Nonthesis Option

GENERAL REQUIREMENTS

CHME 7320 Chemical Engineering Mathematics	4 SH
CHME 7330 Chemical Engineering Thermodynamics	4 SH
CHME 7340 Chemical Engineering Kinetics	4 SH
CHME 7350 Transport Phenomena	4 SH
Approved electives	16 SH

MSCHE—Master of Science in Chemical Engineering, Thesis Option

GENERAL REQUIREMENTS

CHME 7320 Chemical Engineering Mathematics	4 SH
CHME 7330 Chemical Engineering Thermodynamics	4 SH
CHME 7340 Chemical Engineering Kinetics	4 SH
CHME 7350 Transport Phenomena	4 SH
CHME 7390 Seminar	0 SH
Thesis	6 SH
Approved graduate course work	8 SH

MSCHE—Master of Science in Chemical Engineering with Graduate Certificate in Engineering Leadership

GENERAL REQUIREMENTS

CHME 7320 Chemical Engineering Mathematics	4 SH
CHME 7330 Chemical Engineering Thermodynamics	4 SH
CHME 7340 Chemical Engineering Kinetics	4 SH
CHME 7350 Transport Phenomena	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH

PhD in Chemical Engineering

GENERAL REQUIREMENTS

CHME 7320 Chemical Engineering Mathematics	4 SH
CHME 7330 Chemical Engineering Thermodynamics	4 SH
CHME 7340 Chemical Engineering Kinetics	4 SH
CHME 7350 Transport Phenomena	4 SH
Approved graduate course work	8 SH
CHME 9990 Dissertation	0 SH

www.civ.neu.edu

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The Civil and Environmental Engineering curriculum includes areas of concentration in construction management, environmental engineering, geotechnical/geoenvironmental engineering, structural engineering, and transportation engineering. All students must meet with a faculty advisor during their first semester of study to arrange an appropriate course sequence. Students may pursue a Master of Science degree program on either a part-time or continuous full-time basis. Students must pursue the PhD on a basis consistent with the residence requirements for the degree.

MSCivE—Master of Science in Civil Engineering with Concentration in Construction Management, Course Work Option

GENERAL REQUIREMENTS

ACCT 6200 Financial Reporting and Managerial Decision Making 1	3 SH
CIVE 7220 Construction Management	4 SH
CIVE 7221 Construction Project Control and Organization	2 SH
CIVE 7230 Legal Aspects of Civil Engineering	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
Approved electives	15 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Construction Management, Report Option

GENERAL REQUIREMENTS

ACCT 6200 Financial Reporting and Managerial Decision Making 1	3 SH
CIVE 7220 Construction Management	4 SH
CIVE 7221 Construction Project Control and Organization	2 SH
CIVE 7230 Legal Aspects of Civil Engineering	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
Master's Report	4 SH
Approved electives	11 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Construction Management, Thesis Option

GENERAL REQUIREMENTS

ACCT 6200 Financial Reporting and Managerial Decision Making 1	3 SH
CIVE 7220 Construction Management	4 SH
CIVE 7221 Construction Project Control and Organization	2 SH
CIVE 7230 Legal Aspects of Civil Engineering	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
MS Thesis	8 SH
Approved electives	7 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Environmental Engineering, Course Work Option

GENERAL REQUIREMENTS

CIVE 7250 Environmental Chemistry	4 SH
CIVE 7251 Environmental Biological Processes	4 SH
CIVE 7260 Hydrology	4 SH
Five approved electives	20 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Environmental Engineering, Report Option

GENERAL REQUIREMENTS

CIVE 7250 Environmental Chemistry	4 SH
CIVE 7251 Environmental Biological Processes	4 SH
CIVE 7260 Hydrology	4 SH
Master's Report	4 SH
Approved electives	16 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Environmental Engineering, Thesis Option

GENERAL REQUIREMENTS

CIVE 7250 Environmental Chemistry	4 SH
CIVE 7251 Environmental Biological Processes	4 SH
CIVE 7260 Hydrology	4 SH
MS Thesis	8 SH
Three approved electives	12 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Geotechnical/Geoenvironmental, Course Work Option

GENERAL REQUIREMENTS

CIVE 7301 Advanced Soil Mechanics	4 SH
CIVE 7302 Advanced Foundation Engineering	4 SH
Six approved electives	24 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Geotechnical/Geoenvironmental, Report Option

GENERAL REQUIREMENTS

CIVE 7301 Advanced Soil Mechanics	4 SH
CIVE 7302 Advanced Foundation Engineering	4 SH
Master's Report	4 SH
Five approved electives	20 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Geotechnical/Geoenvironmental, Thesis Option

GENERAL REQUIREMENTS

CIVE 7301 Advanced Soil Mechanics	4 SH
CIVE 7302 Advanced Foundation Engineering	4 SH
MS Thesis	8 SH
Four approved electives	16 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Structures, Course Work Option

GENERAL REQUIREMENTS

CIVE 7330 Advanced Structural Analysis	4 SH
CIVE 7331 Structural Dynamics	4 SH
Three restricted electives	12 SH
Three approved electives	12 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Structures, Report Option

GENERAL REQUIREMENTS

CIVE 7330 Advanced Structural Analysis	4 SH
CIVE 7331 Structural Dynamics	4 SH
Master's Report	4 SH
Three restricted electives	12 SH
Two approved electives	8 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Structures, Thesis Option

GENERAL REQUIREMENTS

CIVE 7330 Advanced Structural Analysis	4 SH
CIVE 7331 Structural Dynamics	4 SH
MS Thesis	8 SH
Three restricted electives	12 SH
Approved elective	4 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Transportation, Course Work Option

GENERAL REQUIREMENTS

CIVE 5373 Transportation Planning and Engineering	4 SH
CIVE 5376 Traffic Engineering	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
Three restricted electives	12 SH
Two approved electives	8 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Transportation, Report Option

GENERAL REQUIREMENTS

CIVE 5373 Transportation Planning and Engineering	4 SH
CIVE 5376 Traffic Engineering	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
Master's Report	4 SH
Two restricted electives	8 SH
Two approved electives	8 SH

MSCivE—Master of Science in Civil Engineering with Concentration in Transportation, Thesis Option

GENERAL REQUIREMENTS

CIVE 5373 Transportation Planning and Engineering	4 SH
CIVE 5376 Traffic Engineering	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
MS Thesis	8 SH
Two restricted electives	8 SH
Approved elective	4 SH

MSCivE—Master of Science in Civil Engineering with Graduate Certificate in Engineering Leadership with Concentration in Construction Management

GENERAL REQUIREMENTS

ACCT 6200 Financial Reporting and Managerial Decision Making 1	3 SH
CIVE 7220 Construction Management	4 SH
CIVE 7221 Construction Project Control and Organization	2 SH
CIVE 7230 Legal Aspects of Civil Engineering	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH
IE 6200 Engineering Probability and Statistics	4 SH

MSCivE—Master of Science in Civil Engineering with Graduate Certificate in Engineering Leadership with Concentration in Environmental Engineering

GENERAL REQUIREMENTS

Advisor-approved CIVE course	4 SH
CIVE 7250 Environmental Chemistry	4 SH
CIVE 7251 Environmental Biological Processes	4 SH
CIVE 7260 Hydrology	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH

MSCivE – Master of Science in Civil Engineering with Graduate Certificate in Engineering Leadership with Concentration in Geotechnical/Geoenvironmental Engineering

GENERAL REQUIREMENTS

Advisor-approved CIVE restricted electives	8 SH
CIVE 7301 Advanced Soil Mechanics	4 SH
CIVE 7302 Advanced Foundation Engineering	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH

MSCivE—Master of Science in Civil Engineering with Graduate Certificate in Engineering Leadership with Concentration in Structural Engineering

GENERAL REQUIREMENTS

Advisor-approved CIVE restricted electives	8 SH
CIVE 7330 Advanced Structural Analysis	4 SH
CIVE 7331 Structural Dynamics	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH

MSCivE—Master of Science in Civil Engineering with Graduate Certificate in Engineering Leadership with Concentration in Transportation Engineering

GENERAL REQUIREMENTS

Advisor-approved CIVE restricted elective	4 SH
CIVE 5373 Transportation Planning and Engineering	4 SH
CIVE 5376 Traffic Engineering	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH
IE 6200 Engineering Probability and Statistics	4 SH

PhD in Civil Engineering—Advanced Degree Entrance

GENERAL REQUIREMENTS

Required course work	20 SH
CIVE 9990 Dissertation	0 SH

PhD in Civil Engineering—Bachelor's Degree Entrance

GENERAL REQUIREMENTS

Required course work	52 SH
CIVE 9990 Dissertation	0 SH

www.coe.neu.edu/gse/pm/CSE/

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Professor and Chair
MITCH KOKAR, PhD
Professor and Program Director

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The Master of Science in Computer Systems Engineering degree is offered by the electrical and computer engineering department and may be pursued on a full- or part-time basis. Students applying to the program select either the computer-aided design/computer-aided manufacturing (CAD/CAM) or engineering software design (ESD) concentration.

Graduates of the program have been very successful in obtaining employment during the last ten years. Many have chosen to work in the Boston area, which has a large number of companies that employ software developers. Graduates of the program have also obtained employment in the New York City area; Washington, D.C.; Silicon Valley, including San Francisco; Seattle (Washington); and several cities in Texas. We expect the employment opportunities for our graduates to remain high.

MSCSE—Master of Science in Computer Systems Engineering with Concentration in Engineering Software Design, Course Work Option

GENERAL REQUIREMENTS

CSYE 6200 or CSYE 6205	4 SH
CSYE 6220 Enterprise Software Design	4 SH
CSYE 7230 Software Engineering	4 SH
CSYE 7945 Software Engineering Project	4 SH
Approved electives	16 SH

MSCSE—Master of Science in Computer Systems Engineering with Concentration in Engineering Software Design, Thesis Option

GENERAL REQUIREMENTS

CSYE 6200 Concepts of Object-Oriented Design or CSYE 6205 Concepts of Object-Oriented Design with C++	4 SH
CSYE 6220 Enterprise Software Design	4 SH
CSYE 7230 Software Engineering	4 SH
CSYE 7945 Software Engineering Project	4 SH
CSYE 7990 Thesis	8 SH
Approved electives	8 SH

MSCSE—Master of Science in Computer Systems Engineering with Concentration in CAD/CAM, Course Work Option

GENERAL REQUIREMENTS

CSYE 5240 Computer-Aided Design and Manufacturing	4 SH
CSYE 6200 Concepts of Object-Oriented Design	4 SH
CSYE 7260 Manufacturing Methods and Techniques	4 SH
EMGT 5220 Engineering Project Management	4 SH
Approved electives	16 SH

MSCSE—Master of Science in Computer Systems Engineering with Concentration in CAD/CAM, Thesis Option

GENERAL REQUIREMENTS

CSYE 5240 Computer Aided Design and Manufacturing	4 SH
CSYE 6200 Concepts of Object-Oriented Design	4 SH
CSYE 7260 Manufacturing Methods and Techniques	4 SH
CSYE 7990 Thesis	8 SH
EMGT 5220 Engineering Project Management	4 SH
Approved electives	8 SH

MSCSE—Master of Science in Computer Systems Engineering with Graduate Certificate in Engineering Leadership with Concentration in CAD/CAM

GENERAL REQUIREMENTS

CSYE 6200 or CSYE 6205	4 SH
CSYE 6220 Enterprise Software Design	4 SH
CSYE 7230 Software Engineering	4 SH
CSYE 7945 Software Engineering Project	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH

MSCSE—Master of Science in Computer Systems Engineering with Graduate Certificate in Engineering Leadership with Concentration in Engineering Software Design

GENERAL REQUIREMENTS

CSYE 6200 or CSYE 6205	4 SH
CSYE 6220 Enterprise Software Design	4 SH
CSYE 7230 Software Engineering	4 SH
CSYE 7945 Software Engineering Project	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH

ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH

ELECTRICAL AND COMPUTER ENGINEERING

www.ece.neu.edu

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Professor and Chair

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 f.crisley@neu.edu

Students may complete the Master of Science in Electrical and Computer Engineering degree program on either a part-time or continuous full-time basis. The curriculum includes areas of concentration in communications and signal processing; computer engineering; control systems and signal processing; electromagnetics, plasma, and optics; electronic circuits, semiconductor devices, and microfabrication; and power systems, power electronics, and motion control.

 The courses are typically 4 semester hours of credit. Full-time students are responsible for meeting with their faculty advisors early in their program of study to determine an appropriate sequence of course work. Part-time students should follow the requirements and confer with their faculty advisors as needed.

MSECE—Master of Science in Electrical and Computer Engineering, Part-Time Study Option

GENERAL REQUIREMENTS

Complete two of the following courses:

EECE 7200 Linear Systems Analysis	4 SH
EECE 7201 Solid-State Devices	4 SH
EECE 7202 Electromagnetic Theory 1	4 SH
EECE 7203 Complex Variable Theory and Differential Equations	4 SH
EECE 7204 Applied Probability and Stochastic Processes	4 SH
EECE 7205 Fundamentals of Computer Engineering	4 SH
EECE 7352 Computer Architecture	4 SH
EECE 7353 VLSI Design	4 SH
Six technical electives	24 SH

MSECE—Master of Science in Electrical and Computer Engineering, Project Option

GENERAL REQUIREMENTS

Complete two of the following courses:

EECE 7200 Linear Systems Analysis	4 SH
EECE 7201 Solid-State Devices	4 SH
EECE 7202 Electromagnetic Theory 1	4 SH
EECE 7203 Complex Variable Theory and Differential Equations	4 SH
EECE 7204 Applied Probability and Stochastic Processes	4 SH
EECE 7205 Fundamentals of Computer Engineering	4 SH
EECE 7352 Computer Architecture	4 SH
EECE 7353 VLSI Design	4 SH
Master's Project	4 SH
Five technical electives	20 SH

MSECE—Master of Science in Electrical and Computer Engineering, Thesis Option

GENERAL REQUIREMENTS

Complete two of the following courses:

EECE 7200 Linear Systems Analysis	4 SH
EECE 7201 Solid-State Devices	4 SH
EECE 7202 Electromagnetic Theory 1	4 SH
EECE 7203 Complex Variable Theory and Differential Equations	4 SH
EECE 7204 Applied Probability and Stochastic Processes	4 SH
EECE 7205 Fundamentals of Computer Engineering	4 SH
EECE 7352 Computer Architecture	4 SH
EECE 7353 VLSI Design	4 SH
MS Thesis	8 SH
Four technical electives	16 SH

MSECE—Master of Science in Electrical and Computer Engineering with Graduate Certificate in Engineering Leadership

GENERAL REQUIREMENTS

Advisor-approved ECE course work	32 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH

MSECEL—Master of Science in Electrical and Computer Engineering Leadership with Graduate Certificate in Engineering Leadership

GENERAL REQUIREMENTS

Advisor-approved ECE course work	16 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH

PhD in Computer Engineering—Advanced Degree Entrance

GENERAL REQUIREMENTS

Course work	16 to 24 SH
EECE 9990 Dissertation	0 SH

PhD in Computer Engineering—Bachelor's Degree Entrance

GENERAL REQUIREMENTS

Course work	48 to 56 SH
EECE 9990 Dissertation	0 SH

PhD in Electrical Engineering—Advanced Degree Entrance

GENERAL REQUIREMENTS

Course work	16 to 24 SH
EECE 9990 Dissertation	0 SH

PhD in Electrical Engineering—Bachelor's Degree Entrance

GENERAL REQUIREMENTS

Course work	48 to 56 SH
EECE 9990 Dissertation	0 SH

www.coe.neu.edu/gse/programs/ES/index.html

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The Master of Science degree program in energy systems (MSES) integrates the technology side of energy systems development with the financial planning needed to effectively implement them. The goal of the MSES is to create a high-level signature, interdisciplinary graduate program for the engineer or technical business major who is pursuing an industrial or public-planning-based career.

The program curriculum is firmly rooted in energy technology and includes exposure to the interface with business and financial decision processes. Students are exposed to business educators and practicing professionals and have the opportunity to participate in a six-month co-op experience. Practicing professionals with experience at this interface who have successfully implemented energy systems or devices and policies are actively involved in the program as adjunct professors and invited speakers. The curriculum is flexibly designed with a set of six core courses in engineering knowledge and finance and four electives that can be taken from any department within the College of Engineering.

MS in Energy Systems

GENERAL REQUIREMENTS

ACCT 6200 Financial Reporting and Managerial Decision Making 1	3 SH
ACCT 6201 Financial Reporting and Managerial Decision Making 2	1.5 SH
EMGT 6225 Economic Decision Making	4 SH
ENSY 5000 Fundamentals of Energy System Integration	4 SH
FINA 6200 Value Creation through Financial Decision Making	3 SH
ME 6200 Mathematical Methods for Mechanical Engineers 1	4 SH
Approved electives	16 SH

MS in Energy Systems—Online Program

This online degree program will be available starting spring 2013. Course work for this program will be offered online. Students enrolled at a regional campus may enroll in specific hybrid delivery sections of these courses. Hybrid courses have periodic face-to-face regional campus meetings.

GENERAL REQUIREMENTS

ACCT 6218 Financial and Management Accounting	4.5 SH
EMGT 6225 Economic Decision Making	4 SH
ENSY 5000 Fundamentals of Energy System Integration	4 SH
FINA 6200 Value Creation through Financial Decision Making	3 SH
ME 6200 Mathematical Methods for Mechanical Engineers 1	4 SH
Approved electives	16 SH

MS in Energy Systems with Graduate Certificate in Engineering Leadership

GENERAL REQUIREMENTS

ACCT 6200 Financial Reporting and Managerial Decision Making 1	3 SH
ACCT 6201 Financial Reporting and Managerial Decision Making 2	1.5 SH
EMGT 6225 Economic Decision Making	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH
ENSY 5000 Fundamentals of Energy System Integration	4 SH
FINA 6200 Value Creation through Financial Decision Making	3 SH
Two advisor-approved MSES courses	8 SH

ENGINEERING LEADERSHIP

www.northeastern.edu/gordonleadership

Simon Pitts
Program Director

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The Gordon Engineering Leadership Program (GEL) is a transformational graduate program designed to build a future corps of engineering leadership professionals. GEL seeks to accelerate leadership development in an engineering context through a concentrated curriculum of course work, mentoring, and an industry-focused challenge project. Graduates of the program, known as Gordon Fellows, stand out from their peers in their ability to invent, innovate, and implement engineering projects from concept to market success.

Most students pursue GEL as part of a Master of Science degree in the engineering discipline of their choice. Upon completion, students earn both the Master of Science degree and a Graduate Certificate in Engineering Leadership. Students who already hold a graduate degree in engineering can complete the program to earn a Graduate Certificate in Engineering Leadership. The core GEL curriculum takes place during one calendar year (September–August), and additional course work required for the Master of Science degree can be pursued before, after, or in parallel with GEL.

Certificate in Engineering Leadership

GENERAL REQUIREMENTS

ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH

ENGINEERING MANAGEMENT

www.mie.neu.edu/graduate/engmanage.html

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Professor and Program Director

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The Master of Science in Engineering Management degree consists of the art and science of planning, organizing, allocating, directing, and controlling the activities and resources applicable to individuals and organizations engaged in the management of engineering activities and technology development, including: project management, economic evaluation of systems, technology transfer, management of research programs, development, design, evaluation, production, and allied activities.

The program is offered by the mechanical and industrial engineering department. Students taking this program are required to take 32 semester hours of academic work. Some students choose to complete the academic requirements by taking 32 semester hours of course work: 16 hours of required courses and 16 hours of electives. Students that have an interest in research can complete the degree requirements by taking 16 hours of required courses, 8 hours of electives, and 8 hours of thesis or project work. A large percentage of students taking the engineering management degree program participate in the cooperative education program in which students spend one or more academic semesters working in industry. The total length of time required to complete the master's degree requirements depends upon the program of study a student selects. The option of doing a research-based thesis requires a minimum of two years of work, and the all-course-work option can be completed in a shorter time period.

MSEM—Master of Science in Engineering Management, Course Work Option

GENERAL REQUIREMENTS

EMGT 5220 Engineering Project Management	4 SH
EMGT 6225 Economic Decision Making	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
OR 6205 Deterministics Operations Research	4 SH
Approved electives	16 SH

Note: An online version of this degree program will be available starting spring 2013. Course work for this program will be offered online. Students enrolled at a regional campus may enroll in specific hybrid delivery sections of these courses. Hybrid courses have periodic face-to-face regional campus meetings.

MSEM—Master of Science in Engineering Management, Project Option

GENERAL REQUIREMENTS

EMGT 5220 Engineering Project Management	4 SH
EMGT 6225 Economic Decision Making	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
OR 6205 Deterministics Operations Research	4 SH
OR 7945 Master's Project	4 SH
Three approved electives	12 SH

MSEM—Master of Science in Engineering Management, Thesis Option

GENERAL REQUIREMENTS

EMGT 5220 Engineering Project Management	4 SH
EMGT 6225 Economic Decision Making	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
MS Thesis	8 SH
OR 6205 Deterministics Operations Research	4 SH
Two approved electives	8 SH

MS in Engineering Management with Graduate Certificate in Engineering Leadership

GENERAL REQUIREMENTS

EMGT 5220 Engineering Project Management	4 SH
EMGT 6225 Economic Decision Making	4 SH
ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH
IE 6200 Engineering Probability and Statistics	4 SH
OR 6205 Deterministics Operations Research	4 SH

www.mie.neu.edu/graduate/ieeng.html

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The Department of Mechanical and Industrial Engineering offers MS and PhD degree programs in industrial engineering. To be eligible for admission to any of the master's degree programs, a prospective student must hold a Bachelor of Science degree in engineering, science, mathematics, or equivalent field. Students may pursue any program either on a full- or part-time basis; however, restrictions may apply, as described below. Students who receive financial support from the university in the form of a research, teaching, or tuition assistantship must complete an 8-semester-hour thesis. Other students may choose to complete a thesis or pursue their degree on a course-work-only basis. Students who complete the thesis option must make a presentation at a thesis defense before approval by the department.

MSIE—Master of Science in Industrial Engineering, Course Work Option

GENERAL REQUIREMENTS

IE 6200 Engineering Probability and Statistics	4 SH
OR 6205 Deterministics Operations Research	4 SH
Two of the following courses:	
IE 7210 Production System	4 SH
IE 7215 Simulation Analysis	4 SH
IE 7315 Human Factors Engineering	4 SH
Approved electives	16 SH

MSIE—Master of Science in Industrial Engineering, Project Option

GENERAL REQUIREMENTS

IE 6200 Engineering Probability and Statistics	4 SH
OR 6205 Deterministics Operations Research	4 SH
Two of the following courses:	
IE 7210 Production System	4 SH
IE 7215 Simulation Analysis	4 SH
IE 7315 Human Factors Engineering	4 SH
IE 7945 Master's Project	4 SH
Three approved electives	12 SH

MSIE—Master of Science in Industrial Engineering, Thesis Option

GENERAL REQUIREMENTS

IE 6200 Engineering Probability and Statistics	4 SH
OR 6205 Deterministics Operations Research	4 SH
Two of the following courses:	
IE 7210 Production System	4 SH
IE 7215 Simulation Analysis	4 SH
IE 7315 Human Factors Engineering	4 SH
MS Thesis	8 SH
Two approved electives	8 SH

MSIE—Master of Science in Industrial Engineering with Graduate Certificate in Engineering Leadership

GENERAL REQUIREMENTS

ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
IE 6200 Engineering Probability and Statistics	4 SH
ME 7440 Mechanical Engineering Leadership Challenge Project 1	4 SH
ME 7442 Mechanical Engineering Leadership Challenge Project 2	4 SH
OR 6205 Deterministics Operations Research	4 SH
Two of the following courses: IE 7210, IE 7215, IE 7315	8 SH

PhD in Industrial Engineering—Advanced Degree Entrance

GENERAL REQUIREMENTS

Approved course work	24 SH
IE 9990 Dissertation	0 SH

PhD in Industrial Engineering—Bachelor's Degree Entrance

GENERAL REQUIREMENTS

Approved course work	48 SH
IE 9990 Dissertation	0 SH

INFORMATION SYSTEMS

www.msis.northeastern.edu

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Program Director

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We offer cutting-edge expertise in a variety of courses that combine technological advances and business practices. We stress creative and inventive approaches to problem solving, which necessitates empowering students so that they can take charge of their own software projects to become originally productive. Our information systems program is as much an art as a science. It bypasses mechanical learning and highlights the value and excitement of engineering thinking that gets things done efficiently as well as imaginatively. We balance theory and practice, on the premise that they are always intertwined and interdependent.

We seek to provide a basic foundation for our students and then seek to push them to new heights, to advance their information technology skills in a way that keeps up and, better yet, exceeds the necessarily fast pace of this progressive field. It is not for us just a question of not being left behind; we strive to be at the forefront of software innovation in an effort to transform contemporary society even more radically than technology has already done, to take gigantic strides in business, medicine, education, and security. In addition to the general requirements, the program offers multiple tracks:

- Track 1: Business Process Engineering
- Track 2: Software Project Planning and Management
- Track 3: Web Engineering and Development
- Track 3: Information Systems Auditing and Compliance
- Track 4: Data Architecture and Engineering
- Track 5: Application-Level Security Analysis and Engineering
- Track 6: Enterprise Architecture and Governance
- Track 7: Engineering Clinical Information Systems

MSIS in Information Systems

GENERAL REQUIREMENTS

INFO 5100 Application Engineering and Development	4 SH
INFO 6215 Business Analysis and Information Engineering	4 SH
INFO 6250 Web Development Tools and Methods	4 SH
INFO 7300 Engineering Secure Software Systems	4 SH
INFO electives	16 SH

MECHANICAL ENGINEERING

www.mie.neu.edu/graduate/mecheng.html

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The Department of Mechanical and Industrial Engineering offers MS and PhD degree programs in mechanical engineering. At the MS level, students may pursue a program preparing for advanced practice or for MS thesis research. All MS students with assistantships are required to complete a thesis, while other students may elect a nonthesis option. All courses must have the approval of the academic advisor. All PhD students must first pass the doctoral qualifying examinations before being admitted to the doctoral candidacy.

MSME—Master of Science in Mechanical Engineering, Course Work Option

GENERAL REQUIREMENTS

32 semester hours required
Complete eight courses, including any of the following:

CSYE 5250 Robot Mechanics and Control	4 SH
CSYE 7260 Manufacturing Methods and Techniques	4 SH
EMGT 5220 Engineering Project Management	4 SH
EMGT 5300 Engineering/Organizational Psychology	4 SH
EMGT 6225 Economic Decision Making	4 SH
EMGT 6305 Financial Management for Engineers	4 SH
IE 7315 Human Factors Engineering	4 SH
Any graduate-level ME xxxx or MATL xxxx course	4 SH
OR 6205 Deterministic Operations Research	4 SH
OR 7230 Probabilistic Operations Research	4 SH

MSME—Master of Science in Mechanical Engineering, Thesis Option

GENERAL REQUIREMENTS

32 semester hours required
Complete eight courses, including any of the following:

CSYE 5250 Robot Mechanics and Control	4 SH
CSYE 7260 Manufacturing Methods and Techniques	4 SH
EMGT 5220 Engineering Project Management	4 SH
EMGT 5300 Engineering/Organizational Psychology	4 SH
EMGT 6225 Economic Decision Making	4 SH
EMGT 6305 Financial Management for Engineers	4 SH
IE 7315 Human Factors Engineering	4 SH
Any graduate-level ME xxxx or MATL xxxx course	4 SH
MS Thesis	8 SH
OR 6205 Deterministic Operations Research	4 SH
OR 7230 Probabilistic Operations Research	4 SH

PhD in Mechanical Engineering—Advanced Degree Entrance

GENERAL REQUIREMENTS

Approved course work	24 SH
ME 9990 Dissertation	0 SH

PhD in Mechanical Engineering—Bachelor's Degree Entrance

GENERAL REQUIREMENTS

Approved course work	48 SH
ME 9990 Dissertation	0 SH

MSME—Master of Science in Mechanical Engineering with Graduate Certificate in Engineering Leadership

GENERAL REQUIREMENTS

ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ME 7440 Mechanical Engineering Leadership Challenge Project 1	4 SH
ME 7442 Mechanical Engineering Leadership Challenge Project 2	4 SH
Advisor-approved ME courses	16 SH

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OPERATIONS RESEARCH
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www.mie.neu.edu/graduate/operres.html

EMANUEL S. MELACHRINOUDIS, PHD
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Operations research (OR) deals with the application of scientific methods to decision making. Students have an opportunity to learn how to develop and solve mathematical and computer models of systems using optimization and statistical methods. OR graduates work in a wide variety of fields, such as transportation, supply chain operations, communications and computer operations, manufacturing, finance, and health care. A prospective student must hold a Bachelor of Science degree in engineering, mathematics, science, or equivalent field. The OR program, which may be pursued on a full- or part-time basis, is offered jointly by the Department of Mechanical and Industrial Engineering and the Department of Mathematics, thus achieving a unique balance of theory and application.

MSOR—Master of Science in Operations Research, Course Work Option

GENERAL REQUIREMENTS

IE 6200 Engineering Probability and Statistics or MATH 7241 Probability 1	4 SH
MATH 7234 Optimization and Complexity	4 SH
OR 6205 Deterministics Operations Research	4 SH
OR 7230 Probabilistic Operation Research or MATH 7341 Probability 2	4 SH
Approved electives	16 SH

MSOR—Master of Science in Operations Research, Project Option

GENERAL REQUIREMENTS

IE 6200 Engineering Probability and Statistics or MATH 7241 Probability 1	4 SH
MATH 7234 Optimization and Complexity	4 SH
OR 6205 Deterministics Operations Research	4 SH
OR 7230 Probabilistic Operation Research or MATH 7341 Probability 2	4 SH
OR 7945 Master's Project	4 SH
Three approved electives	12 SH

MSOR—Master of Science in Operations Research, Thesis Option

GENERAL REQUIREMENTS

IE 6200 Engineering Probability and Statistics or MATH 7241 Probability 1	4 SH
MATH 7234 Optimization and Complexity	4 SH
OR 6205 Deterministics Operations Research	4 SH
OR 7230 Probabilistic Operation Research or MATH 7341 Probability 2	4 SH
MS Thesis	8 SH
Two approved electives	8 SH

MSOR—Master of Science in Operations Research with Graduate Certificate in Engineering Leadership

GENERAL REQUIREMENTS

ENLR 5121 Engineering Leadership 1	2 SH
ENLR 5122 Engineering Leadership 2	2 SH
ENLR 5131 Scientific Foundations of Engineering 1	2 SH
ENLR 5132 Scientific Foundations of Engineering 2	2 SH
ENLR 7440 Engineering Leadership Challenge Project 1	4 SH
ENLR 7442 Engineering Leadership Challenge Project 2	4 SH
IE 6200 or MATH 7241	4 SH
MATH 7234 Optimization and Complexity	4 SH
OR 6205 Deterministics Operations Research	**4 SH**
OR 7230 or MATH 7341	

TELECOMMUNICATION SYSTEMS MANAGEMENT

www.coe.neu.edu/gse/pm/TSM/

PETER O'REILLY, PHD
Program Director

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The Master of Science in Telecommunication Systems Management degree is designed for professionals currently in the telecommunications field who either wish to enhance their technical skills and credentials or who wish to make a transition to the business side of telecommunications. We also welcome applications from prospective students with limited industry experience. This program, which may be pursued on a full- or part-time basis, is one of only a very few master's programs in telecommunications in the United States that is truly multi-disciplinary, giving students the flexibility to tailor the curriculum to their specific interests, backgrounds, and career goals.

MSTSM—Master of Science in Telecommunications Systems Management with Concentration in Telecommunications Business Management

GENERAL REQUIREMENTS

TSMG 5310 Fundamentals of Communication Systems	4 SH
TSMG 5320 Telecommunications Architecture and Systems	4 SH
TSMG 5330 Data Networking	4 SH
TSMG 5340 Telecommunications Public Policy and Business Management	4 SH
Approved business management electives	8 SH
Approved networking or systems elective	4 SH
Other approved elective	2 SH

MSTSM—Master of Science in Telecommunications Systems Management with Concentration in Telecommunications Networking

GENERAL REQUIREMENTS

TSMG 5310 Fundamentals of Communication Systems	4 SH
TSMG 5320 Telecommunications Architecture and Systems	4 SH
TSMG 5330 Data Networking	4 SH
TSMG 5340 Telecommunications Public Policy and Business Management	4 SH
Approved business elective	4 SH
Approved networking electives	8 SH
Other approved elective	2 SH

MSTSM—Master of Science in Telecommunications Systems Management with Concentration in Telecommunications-Systems Development

GENERAL REQUIREMENTS

TSMG 5310 Fundamentals of Communication Systems	4 SH
TSMG 5320 Telecommunications Architecture and Systems	4 SH
TSMG 5330 Data Networking	4 SH
TSMG 5340 Telecommunications Public Policy and Business Management	4 SH
Approved business elective	4 SH
Approved system development electives	8 SH
Other approved elective	2 SH

Bouvé College of Health Sciences

www.northeastern.edu/bouve/grad

TERRY FULMER, PhD, RN, FAAN, *Dean*

Suzanne Greenberg, MS, *Associate Dean and Director of the Graduate School*
Margaret K. Schnabel, *Director of Graduate Admissions and Student Services*

Dean's Office: 215 Behrakis Health Sciences Center
Phone: 617.373.3323
Fax: 617.373.3030

Graduate Admissions and Student Services:
123 Behrakis Health Sciences Center
Phone: 617.373.2708
Fax: 617.373.4701

The Bouvé College of Health Sciences (BCHS) strongly supports the mission of Northeastern University as a practice-oriented, student-centered, urban research institution. The college is committed to the goals of the institution, which include excellence in education, research, scholarship, access to educational opportunity, and a strong professional orientation that includes the cooperative education model. Each of the health sciences with the college supports these aims both individually and collectively.

Graduate programs in the Schools of Nursing, Pharmaceutical Sciences, and the Health Professions (counseling and applied education psychology, audiology, exercise sciences, physical therapy, physician assistant, public health, speech-language pathology) and the interdisciplinary programs of biotechnology and health informatics incorporate experience in your field of study. You have an opportunity to interact with faculty contributing to research advances, as well as with Boston's world-class health-care and educational institutions. You study in a comprehensive health-sciences college, where interdisciplinary approaches to complex issues reflect professional practice.

The result: At Northeastern, you have an opportunity to acquire the knowledge and capability needed for a lifetime of social contribution and professional achievement.

COUNSELING AND APPLIED EDUCATIONAL PSYCHOLOGY

www.northeastern.edu/bouve/caep

EMANUEL MASON, EdD
Department Interim Chair

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Graduate programs in the Department of Counseling and Applied Educational Psychology reflect Northeastern University's tradition of practice-oriented education with an ecological and multicultural focus. Faculty and students come from diverse ethnic and cultural backgrounds, providing an enriching learning experience. Our doctoral programs provide excellent educational opportunities for those interested in professional psychology with specialized training for future careers in academic or practice positions as licensed psychologists.

The Bouvé College of Health Sciences emphasizes experiential and field-based learning, interdisciplinary and global knowledge, and integration of science and practice. The Department of Counseling and Applied Educational Psychology seeks to produce students who are well prepared to become counseling and psychology professionals in a variety of educational, governmental, community, organizational, and private settings. As a Bouvé student, you have an opportunity to acquire knowledge and competency needed for a lifetime of personal fulfillment and professional achievement.

Certificate in Applied Behavior Analysis

The Certificate in Applied Behavior Analysis program seeks to provide students with the knowledge base necessary for eligibility to take the Behavior Analysis Certification Board (BACB) exam. The curriculum, which is based on the BACB Fourth Edition Task List, includes six courses, all of which are offered online. Four standard programs of study are available; students may take one or two courses each term and may elect not to enroll at all during the summer, regardless of course load chosen. Special programs of study may also be arranged.

A representative program in which students take two courses during the academic year and the summer off follows. "Behavior Assessment" and "Research Design and Methods" are taken first as they are prerequisites for enrolling in the remaining four courses.

YEAR 1, FALL SEMESTER

CAEP 6327 Behavior Assessment	3 SH
CAEP 6328 Research Design and Methods	3 SH

YEAR 1, SPRING SEMESTER

CAEP 6331 Advanced Learning Seminar 1	3 SH
CAEP 6334 Applied Programming Seminar 1	3 SH

YEAR 2, FALL SEMESTER

CAEP 6329 Service Administration	3 SH
CAEP 6336 Systematic Inquiry 1	3 SH

Certificate of Advanced Graduate Studies (CAGS) in Applied Behavior Analysis

The Certificate of Advanced Graduate Studies (CAGS) program seeks to prepare graduates to assume supervisory behavior analyst roles in service agencies and in private and public school settings and to serve as independent consultants. Additionally, it seeks to give graduates expertise in a specific clinical area within applied behavior analysis. The six-course sequence that seeks to prepare students to take the BACB exam is followed by four additional courses in behavior analysis. These courses, which are related, explore the particular clinical issue in-depth.

Four standard programs of study are offered; students may take one or two courses each academic term and choose from a number of summer enrollment options. These options include taking one or two courses or not enrolling at all.

A representative program in which the student takes two courses during the academic year and one course in the summer follows. "Behavior Assessment" and "Research Design and Methods" must be taken first as they are prerequisites for enrolling in the remaining four courses. Specialization courses are indicated only generally; specific courses are determined by the area chosen.

The capstone for the program is the Professional Portfolio (see curriculum listing for MS in Applied Behavior Analysis, following, for description). This portfolio, which is compiled electronically, documents the student's acquisition of critical behavioral procedures.

YEAR 1, FALL SEMESTER

CAEP 6327 Behavior Assessment	3 SH
CAEP 6328 Research Design and Methods	3 SH

YEAR 1, SPRING SEMESTER

CAEP 6331 Advanced Learning Seminar 1	3 SH
CAEP 6334 Applied Programming Seminar 1	3 SH

YEAR 1, SUMMER FULL SEMESTER

CAEP 6336 Systematic Inquiry 1	3 SH

YEAR 2, FALL SEMESTER

CAEP 6329 Service Administration	3 SH
Foundations in specialization area	3 SH

YEAR 2, SPRING SEMESTER

Behavior Intervention 1: Specialization Area	3 SH
Behavior Intervention 2: Specialization Area	3 SH

YEAR 2, SUMMER FULL SEMESTER

CAEP 6337 Systematic Inquiry 2	3 SH

MS in Applied Behavior Analysis

The Master of Science in Applied Behavior Analysis program seeks to prepare graduates to assume supervisory behavior analyst roles in service agencies and in private and public school settings and to serve as independent consultants. The six-course sequence that seeks to prepare students to take the BACB exam is followed by four additional courses in behavior analysis. These courses explore the principles and procedures of applied behavior analysis in more depth and address its philosophical underpinnings.

Four standard programs of study are offered; students may take one or two courses each academic term and choose from a number of summer enrollment options. These options include taking one or two courses or not enrolling at all.

A representative program in which the student takes two courses during the academic year and one course in the summer follows. "Behavior Assessment" and "Research Design and Methods" must be taken first as they are prerequisites for enrolling in the remaining four courses. Similarly, "Systematic Inquiry 1" must be taken before "Systematic Inquiry 2."

The capstone for the program is the Professional Portfolio (see below). This portfolio, which is compiled electronically, documents the student's acquisition of critical behavioral procedures.

YEAR 1, FALL SEMESTER

CAEP 6327 Behavior Assessment	3 SH
CAEP 6328 Research Design and Methods	3 SH

YEAR 1, SPRING SEMESTER

CAEP 6331 Advanced Learning Seminar 1	3 SH
CAEP 6334 Applied Programming Seminar 1	3 SH

YEAR 1, SUMMER FULL SEMESTER

CAEP 6336 Systematic Inquiry 1	3 SH

YEAR 2, FALL SEMESTER

CAEP 6329 Service Administration	3 SH
CAEP 6337 Systematic Inquiry 2	3 SH

YEAR 2, SPRING SEMESTER

CAEP 6324 Programmed Learning	3 SH
CAEP 6335 Applied Programming Seminar 2	3 SH

YEAR 2, SUMMER FULL SEMESTER

CAEP 6332 Advanced Learning Seminar 2	3 SH

PROFESSIONAL PORTFOLIO

The Professional Portfolio is the capstone for both the Master of Science in Applied Behavior Analysis and CAGS programs. This portfolio documents the student's behavioral competency in critical clinical skills. These skills, each of which is associated with a specific project, include:

- Intake assessment
- Preference assessment
- Reinforcer assessment
- Functional analysis
- Antecedent intervention
- Consequence intervention
- Task analysis
- Discrimination training
- Literature review

Course assignments are designed to assist the student in designing and executing the projects associated with the skills and in preparing the documentation required for their inclusion in the Professional Portfolio.

A faculty member reviews and signs each project in the Professional Portfolio. The signature indicates that student has achieved the faculty-established standards for the project. Graduates are encouraged to use their Professional Portfolios when applying for employment.

Although a thesis is not required for graduation from either the Master of Science or CAGS program, students interested in research may combine two or three of the Professional Portfolio items into a research project. For example, the student may complete a literature search on stereotypical behavior, then conduct a functional analysis and intervention with a participant who exhibits that behavior. The research project is then prepared in journal format for inclusion in the Professional Portfolio.

Projects may be submitted for inclusion in the Professional Portfolio at anytime during the graduate program. When the student has completed all Professional Portfolio requirements, the program director should be notified so that a final review may take place. A complete Professional Portfolio is required for graduation.

MS in College Student Development and Counseling

YEAR 1, FALL SEMESTER

CAEP 6200 Introduction to Counseling: Theory and Process in an Ecological Context	3 SH
CAEP 6202 Research, Evaluation, and Data Analysis	3 SH
CAEP 6235 Vocational, Education, and Career Development	3 SH
CAEP 6300 Introduction to College Student Development	3 SH

YEAR 1, SPRING SEMESTER

CAEP 6203 Understanding Culture and Diversity	3 SH
CAEP 6262 Evaluation and Outcomes Assessment of Community, School, and Health-Related Programs	3 SH
CAEP 6301 Planning and Administering Student Affairs	3 SH
CAEP 6303 Financial Aspects of Higher Education	3 SH

YEAR 2, FALL SEMESTER

CAEP 6230 Health Issues in Counseling	3 SH
CAEP 6302 Law and Ethics in Higher Education	3 SH
CAEP 8402 College Student Development Practicum 1	3 SH

YEAR 2, SPRING SEMESTER

CAEP 6215 Groups: Dynamics and Leadership	3 SH
CAEP 6305 Special Topics in Higher Education	3 SH
CAEP 8403 College Student Development Practicum 2	3 SH

MS in Counseling Psychology

YEAR 1, FALL SEMESTER

CAEP 6200 Introduction to Counseling: Theory and Process in an Ecological Context	3 SH
CAEP 6201 Introduction to Assessment	3 SH
CAEP 6235 Vocational, Education, and Career Development	3 SH
CAEP 6250 Individual Interventions	3 SH
CAEP 6399 Clinical Skills in Counseling Psychology	3 SH

YEAR 1, SPRING SEMESTER

CAEP 6203 Understanding Culture and Diversity	3 SH
CAEP 6242 Psychopathology: Diagnosis and Treatment Planning	3 SH
CAEP 6380 Seminar in Feminist Psychology	3 SH
CAEP 8401 Practicum in Counseling Psychology	3 SH

YEAR 1, SUMMER 1 SEMESTER

CAEP 6375 Substance Use and Treatment	3 SH
Elective or PHTH 6320	3 SH

YEAR 2, FALL SEMESTER

CAEP 6220 Development Across the Life Span	3 SH
CAEP 6282 Ethics and Professional Development	3 SH
CAEP 6287 Group Counseling	3 SH
CAEP 8510 Internship in Counseling Psychology 1	3 SH
Graduate Elective	3 SH

YEAR 2, SPRING SEMESTER

CAEP 6202 or PHTH 6320	3 SH
CAEP 6260 Community Counseling Psychology	3 SH
CAEP 8511 Internship in Counseling Psychology 2	3 SH
Graduate Elective	3 SH

MS in School Counseling

YEAR 1, FALL SEMESTER

CAEP 6200 Introduction to Counseling: Theory and Process in an Ecological Context	3 SH
CAEP 6201 Introduction to Assessment	3 SH
CAEP 6218 Infant, Child, and Adolescent Development	3 SH
CAEP 6287 Group Counseling	3 SH

YEAR 1, SPRING SEMESTER

CAEP 6235 Vocational, Education, and Career Development	3 SH
CAEP 6275 Counseling Strategies for Children and Adolescents	3 SH
CAEP 6340 Issues in School Counseling	3 SH
CAEP 6345 Learning Problems: Educational, Biological, and Ecological Perspectives	3 SH

YEAR 2, FALL SEMESTER

CAEP 6203 Understanding Culture and Diversity	3 SH
CAEP 8410 School Counseling Practicum 1	3 SH

YEAR 2, SPRING SEMESTER

CAEP 6202 Research, Evaluation, and Data Analysis	3 SH
CAEP 8411 School Counseling Practicum 2	3 SH

MS/Certificate of Advanced Graduate Studies in School Psychology—With Early Intervention

YEAR 1, FALL SEMESTER

CAEP 5150 Early Intervention: Family Systems	3 SH
CAEP 6201 Introduction to Assessment	3 SH
CAEP 6206 Learning Principles	3 SH
CAEP 6218 Infant, Child, and Adolescent Development	3 SH
CAEP 8425 Early Intervention Practicum 1	2 SH

YEAR 1, SPRING SEMESTER

CAEP 6203 Understanding Culture and Diversity	3 SH
CAEP 6247 Child and Adolescent Psychopathology	3 SH
CAEP 6335 Applied Programming Seminar 2	3 SH
CAEP 6347 Behavior Management	3 SH
CAEP 6350 Introduction to Cognitive Assessment	3 SH
CAEP 8426 Early Intervention Practicum 2	2 SH

YEAR 1, SUMMER 1 SEMESTER

CAEP 6206 Learning Principles	3 SH
CAEP 6226 Neuropsychological and Ecological Perspectives on Cognitive Assessment	3 SH
CAEP 6400 Prepracticum in School Psychology	1 SH

YEAR 1, SUMMER 2 SEMESTER

CAEP 6399 Clinical Skills in Counseling Psychology	3 SH

YEAR 2, FALL SEMESTER

CAEP 6352 Personality Assessment	3 SH
CAEP 6353 Curriculum-Based Assessment and Instruction	3 SH
CAEP 6365 Seminar in School Psychology	3 SH
CAEP 8415 Practicum in School Psychology 1	2 SH

YEAR 2, SPRING SEMESTER

CAEP 6345 Learning Problems: Educational, Biological, and Ecological Perspectives	3 SH
CAEP 6355 School-Based Counseling	3 SH
CAEP 6360 Consultation and Program Evaluation	3 SH
CAEP 8416 Practicum in School Psychology 2	2 SH

YEAR 3, FALL SEMESTER

CAEP 8501 Internship in School Psychology 1	3 SH

YEAR 3, SPRING SEMESTER

CAEP 8502 Internship in School Psychology 2	3 SH

MS/Certificate of Advanced Graduate Studies in School Psychology—Without Early Intervention

YEAR 1, FALL SEMESTER

CAEP 6201 Introduction to Assessment	3 SH
CAEP 6206 Learning Principles	3 SH
CAEP 6218 Infant, Child, and Adolescent Development	3 SH
CAEP 6365 Seminar in School Psychology	3 SH

YEAR 1, SPRING SEMESTER

CAEP 6203 Understanding Culture and Diversity	3 SH
CAEP 6247 Child and Adolescent Psychopathology	3 SH
CAEP 6350 Introduction to Cognitive Assessment	3 SH

YEAR 1, SUMMER 1 SEMESTER

CAEP 6226 Neuropsychological and Ecological Perspectives on Cognitive Assessment	3 SH
CAEP 6240 Family, School, and Community Systems	3 SH
CAEP 6400 Prepracticum in School Psychology	1 SH

YEAR 1, SUMMER 2 SEMESTER

CAEP 6399 Clinical Skills in Counseling Psychology	3 SH

YEAR 2, FALL SEMESTER

CAEP 6202 Research, Evaluation, and Data Analysis	3 SH
CAEP 6352 Personality Assessment	3 SH
CAEP 6353 Curriculum-Based Assessment and Instruction	3 SH
CAEP 8415 Practicum in School Psychology 1	2 SH

YEAR 2, SPRING SEMESTER

CAEP 6345 Learning Problems: Educational, Biological, and Ecological Perspectives	3 SH
CAEP 6355 School-Based Counseling	3 SH
CAEP 6360 Consultation and Program Evaluation	3 SH
CAEP 8416 Practicum in School Psychology 2	2 SH

YEAR 3, FALL SEMESTER

CAEP 8501 Internship in School Psychology 1	3 SH

YEAR 3, SPRING SEMESTER

CAEP 8502 Internship in School Psychology 2	3 SH

PhD in Counseling Psychology

GENERAL REQUIREMENTS

CAEP 6235 Vocational, Education, and Career Development	3 SH
CAEP 6350 Introduction to Cognitive Assessment	3 SH
CAEP 6352 Personality Assessment	3 SH
CAEP 6390 History and Systems of Psychology	3 SH
CAEP 6394 Advanced Multicultural Psychology	3 SH
CAEP 7701 Doctoral Seminar in Counseling Psychology	0 to 1 SH
CAEP 7711 Measurement: Advanced Psychometric Principles	3 SH
CAEP 7712 Intermediate Statistical Data Analysis Techniques	3 SH
CAEP 7716 Advanced Research and Data Analyses 2	3 SH
CAEP 7720 Advanced Clinical Interventions	3 SH
CAEP 7723 Rorschach	3 SH
CAEP 7732 Legal and Ethical Issues in Community and Educational Settings	3 SH
CAEP 7741 Advanced Fieldwork 1	2 SH
CAEP 7742 Advanced Fieldwork 2	2 SH
CAEP 7743 Advanced Fieldwork 3	2 SH
CAEP 7744 Advanced Fieldwork 4	2 SH
CAEP 7750 Biological Bases of Behavior	3 SH
CAEP 7751 Advanced Clinical Neuropsychology	3 SH
CAEP 7755 Cognitive and Affective Bases of Behavior	3 SH
CAEP 7756 Social Psychology in an Organizational and Ecological Context	3 SH
CAEP 7758 Doctoral Seminar in Contemporary Theories of Psychotherapy	3 SH
CAEP 7778 Doctoral Seminar: Leadership, Consultation, and Supervision	3 SH
CAEP 7798 Doctoral Internship 1	2 SH
CAEP 7799 Doctoral Internship 2	2 SH
CAEP 9990 Dissertation	0 SH
CAEP 9996 Dissertation Continuation	0 SH

PhD in School Psychology

YEAR 1, FALL SEMESTER

CAEP 6206 Learning Principles	3 SH
CAEP 6218 Infant, Child, and Adolescent Development	3 SH
CAEP 6365 Seminar in School Psychology	3 SH
CAEP 7711 Measurement: Advanced Psychometric Principles	3 SH
CAEP 7771 Research Team Experience 1	1 SH

YEAR 1, SPRING SEMESTER

CAEP 6347 Behavior Management	3 SH
CAEP 6350 Introduction to Cognitive Assessment	3 SH
CAEP 7712 Intermediate Statistical Data Analysis Techniques	3 SH
CAEP 7772 Research Team Experience 2	1 SH

YEAR 1, SUMMER 1 SEMESTER

CAEP 6240 Family, School, and Community Systems	3 SH
CAEP 6400 Prepracticum in School Psychology	1 SH

YEAR 1, SUMMER 2 SEMESTER

CAEP 6399 Clinical Skills in Counseling Psychology	3 SH

YEAR 2, FALL SEMESTER

CAEP 6352 Personality Assessment	3 SH
CAEP 6353 Curriculum-Based Assessment and Instruction	3 SH
CAEP 7715 Advanced Research and Data Analyses 1	3 SH
CAEP 7773 Research Team Experience 3	1 SH
CAEP 8415 Practicum in School Psychology 1	2 SH

YEAR 2, SPRING SEMESTER

CAEP 6345 Learning Problems: Educational, Biological, and Ecological Perspectives	3 SH
CAEP 6355 School-Based Counseling	3 SH
CAEP 7716 Advanced Research and Data Analyses 2	3 SH
CAEP 7774 Research Team Experience 4	1 SH
CAEP 8416 Practicum in School Psychology 2	2 SH

YEAR 3, FALL SEMESTER

CAEP 6390 or CAEP 6394	3 SH
CAEP 7741 Advanced Fieldwork 1	2 SH
CAEP 7750 or CAEP 7756	3 SH
CAEP 7755 Cognitive and Affective Bases of Behavior	3 SH
CAEP 7775 Research Team Experience 5	1 SH

YEAR 3, SPRING SEMESTER

CAEP 6247 Child and Adolesent Psychopathology	3 SH
CAEP 6360 Consultation and Program Evaluation	3 SH
CAEP 6722 or CAEP 7752	3 SH
CAEP 7742 Advanced Fieldwork 2	2 SH
CAEP 7776 Research Team Experience 6	1 SH

YEAR 4, FALL SEMESTER

CAEP 6390 or CAEP 6394	3 SH
CAEP 7743 Advanced Fieldwork 3	2 SH
CAEP 7750 or CAEP 7756	3 SH
CAEP 7778 Doctoral Seminar: Leadership, Consultation, and Supervision	3 SH
CAEP 9990 Dissertation	0 SH

YEAR 4, SPRING SEMESTER

CAEP 6722 or CAEP 7752	3 SH
CAEP 7732 Legal and Ethical Issues in Community and Educational Settings	3 SH
CAEP 7744 Advanced Fieldwork 4	2 SH
CAEP 7778 Doctoral Seminar: Leadership, Consultation, and Supervision	3 SH

YEAR 5, FALL SEMESTER

CAEP 7798 Doctoral Internship 1	2 SH

YEAR 5, SPRING SEMESTER

CAEP 7799 Doctoral Internship 2	2 SH

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YEAR 1, SPRING SEMESTER

EXSC 6220 Exercise Physiology	3 SH
EXSC TBD Physical Activity and Exercise: Measurement, Testing, and Prescription (pending approval)	3 SH
Public Health and/or Nutrition elective	3 SH

YEAR 2, FALL SEMESTER

EXSC 6233 Exercise in Musculoskeletal Disease	3 SH
PHTH 5210 Biostatistics	3 SH
PHTH5212 Public Health Administration and Policy	3 SH

YEAR 2, SPRING SEMESTER

PHTH 6966 Practicum	1 to 4 SH
Two Public Health and/or Nutrition electives	6 SH

Master of Public Health in Urban Health

CREDIT REQUIREMENT

42 semester hours required

YEAR 1, FALL SEMESTER

PHTH 5202 Epidemiology	3 or 4 SH
PHTH 5212 Public Health Administration and Policy	3 SH
PHTH 6200 Principles and History of Urban Health	3 SH
PHTH 6204 Society, Behavior, and Health	3 SH

YEAR 1, SPRING SEMESTER

PHTH 5120 Race, Ethnicity, and Health in the United States	3 or 4 SH
PHTH 5210 Biostatistics in Public Health	3 SH
PHTH 5214 Environmental Health	3 SH
PHTH 6208 Urban Community Health Assessment	3 SH
PHTH 6901 Capstone 1	1 SH

YEAR 2, FALL SEMESTER

Three MPH or other approved electives	9 SH

YEAR 2, SPRING SEMESTER

PHTH 6902 Capstone 2	2 SH
PHTH 6903 Capstone 3	3 SH
MPH or other approved elective	3 SH

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HEALTH SCIENCES

www.northeastern.edu/bouve/hs

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Welcome to the Department of Health Sciences at the Bouvé College of Health Sciences at Northeastern University. Our department provides a unique, trans-disciplinary setting that incorporates academics, research, and practice and seeks to prepare students for a wide range of career paths. We offer an engaging undergraduate academic program in health sciences as well as graduate degree programs, including the Master of Public Health, concentrating in urban health, and Master of Science in Exercise Science with a concentration in physical activity and public health.

Our diverse faculty has expertise in the fields of population health, health disparities, nutritional epidemiology, social epidemiology, exercise science, medical sociology, public policy, personal health technologies, neurodevelopmental disorders, and mental health. Students have the opportunity to work side-by-side with faculty in conducting cutting-edge research in these fields. We also have research staff highly skilled in providing unique, specialized dietary assessment services.

In line with Northeastern's commitment to interdisciplinary research and urban engagement, we teach and work closely with many other schools, centers, and departments in the university, including the Institute on Urban Health Research (IUHR), the Center for Community Health Education Research and Service (CCHERS), and our National Institutes of Health- (NIH) funded Center for Population Health and Health Disparities (CPHHD), as well as community agencies and neighborhood health centers in the local Boston area.

MS in Exercise Science with Concentration in Physical Activity and Public Health

Note: "TBD" stands for "to be determined."

CREDIT REQUIREMENT

36 semester hours required

YEAR 1, FALL SEMESTER

EXSC 5200 Cardiopulmonary Physiology	3 SH
PHTH 5202 Epidemiology	3 SH
PHTH 5540 Health Education and Program Planning	3 SH

<div style="background:red">SCHOOL OF NURSING</div>

www.northeastern.edu/bouve/nursing

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This is an exciting time in health care and nursing in particular. According to a recent Gallup Poll, the public ranks nursing as the "most ethical" profession. In the newly enacted health-care legislation passed by Congress, nurses are considered the critical backbone and life force of the delivery system. What does that mean for those considering nursing as a profession? It means that as a nurse you will carry an awesome responsibility—to improve the health outcomes of patients and their families. It also means that you must be among the best prepared of health professionals. Excellent preparation is just what we seek to offer.

If you are coming to the School of Nursing to earn a master's, PhD, or DNP, your learning will be guided by our senior faculty, nursing leaders who are expert advance practice nurses in their respective specialty areas. Our affiliation with over 100 institutions means that you and the faculty can select the best place for your clinical rotations. *U.S. News & World Report* ranked our nurse anesthesia graduate program in the top ten in the United States.

You want to change career pathways? We have the Certificate of Advanced Graduate Studies (CAGS) that facilitates attainment of a specialty track if you already have an advanced nursing degree. You want research? We have excellent nurse researchers who are working to improve patient care and advance nursing knowledge. Come join nursing at its finest. Northeastern University is a school on the move.

Admission Requirement

Prospective students must have a current registered nurse (RN) license to apply to the graduate nursing programs.

MS in Nursing—Direct Entry

CREDIT REQUIREMENT

64 semester hours required for prelicensure courses (see graduate nurse specialization courses for description of credits remaining to complete Master of Science degree)

GENERAL REQUIREMENTS

HLTH 5450 Health Care Research	4 SH
NRSG 2210 Influences on Health and Illness: A Nursing Perspective	3 SH
NRSG 2220 Nursing Interventions, Assessment, and Community Care	3 SH
NRSG 2221 Lab for Nursing Interventions, Assessment, and Community Care	2 SH
NRSG 3302 Nursing with Women and Families	3 SH
NRSG 3303 Clinical for Nursing with Women and Families	2 SH
NRSG 3320 Nursing Care of Adults 1	4 SH
NRSG 3321 Clinical for Nursing Care of Adults 1	2 SH
NRSG 3323 Intermediate Interventions and Assessment	1 SH
NRSG 3324 Lab for Intermediate Intervention and Assessment	1 SH
NRSG 3400 Nursing and the Promotion of Mental Health	3 SH
NRSG 3401 Clinical for Nursing and Promotion of Mental Health	2 SH
NRSG 3420 Nursing Care of Adults 2	4 SH
NRSG 3421 Clinical for Nursing Care of Adults 2	2 SH
NRSG 4502 Nursing Care of the Child	4 SH
NRSG 4503 Clinical for Nursing Care of the Child	2 SH
NRSG 4604 Public Health Community Nursing	3 SH
NRSG 4605 Clinical for Public Health Community Nursing	2 SH
NRSG 4610 Managing and Leading in Health Care	3 SH
NRSG 4995 Comprehensive Nursing Practicum	6 SH
NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6306 Health Informatics 1	3 SH

MS in Nursing Administration

GENERAL REQUIREMENTS

NRSG 5118 Health Care System and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 6300 Health-Care Finance and Marketing	3 SH
NRSG 6301 Human Resources and Operations	3 SH
NRSG 6302 Health Policy and Law	3 SH
NRSG 6305 Case Management	2 SH
NRSG 6306 Health Informatics 1	3 SH
NRSG 6307 Health Informatics 2	3 SH
NRSG 6311 Program Development and Evaluation	3 SH
NRSG 6500 Nursing Administration Practicum 1	4 SH
NRSG 6501 Nursing Administration Practicum 2	4 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7110 Evidence-Based Practice Research Application	2 SH

Certificate of Advanced Graduate Studies (CAGS) in Nursing Administration

GENERAL REQUIREMENTS

NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 6300 Health-Care Finance and Marketing	3 SH
NRSG 6301 Human Resources and Operations	3 SH
NRSG 6302 Health Policy and Law	3 SH
NRSG 6305 Case Management	2 SH
NRSG 6306 Health Informatics 1	3 SH
NRSG 6307 Health Informatics 2	3 SH
NRSG 6500 Nursing Administration Practicum	4 SH
NRSG 6501 Nursing Administration Practicum 2	4 SH
Graduate elective	2 SH

MS in Nursing—Neonatal Nurse Practitioner

GENERAL REQUIREMENTS

NRSG 5118 Health-Care System and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 6116 Advanced Health Assessment of the Neonate and Infant	3 SH
NRSG 6230 Nursing Management: Critically Ill Neonatal 1	3 SH
NRSG 6231 Nursing Management: Critically Ill Neonatal 2	3 SH
NRSG 6232 Neonatal Pharmacology	2 SH
NRSG 6430 Neonatal Clinical Practicum 1	4 SH
NRSG 6431 Neonatal Clinical Practicum 2	4 SH
NRSG 6432 Neonatal Clinical Practicum 3	2 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7110 Evidence-Based Practice Research Application	2 SH

Certificate of Advanced Graduate Studies (CAGS)— Neonatal Nurse Practitioner

GENERAL REQUIREMENTS

	3 SH
NRSG 6116 Advanced Health Assessment of the Neonate and Infant	
NRSG 6230 Nursing Management: Critically Ill Neonatal 1	3 SH
NRSG 6231 Nursing Management: Critically Ill Neonatal 2	3 SH
NRSG 6232 Neonatal Pharmacology	2 SH
NRSG 6430 Neonatal Clinical Practicum 1	4 SH
NRSG 6431 Neonatal Clinical Practicum 2	4 SH
NRSG 6432 Neonatal Clinical Practicum 3	2 SH

PREREQUISITE COURSES (OR EQUIVALENT)

NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH

MS in Nursing—Pediatric Nurse Practitioner, Primary Care

GENERAL REQUIREMENTS

NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5118 Health-Care System and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6115 Health Assessment	3 SH
NRSG 6262 Pediatric Pharmacology	2 SH
NRSG 6264 Care of Well Child/Adolescent Health Promotion	4 SH
NRSG 6265 Care of Child/Adolescent Health Problems	4 SH
NRSG 6275 Urban Families at Risk: A Primary Care Approach	4 SH
NRSG 6460 Pediatric Practicum 1	4 SH
NRSG 6461 Pediatric Practicum 2	4 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7110 Evidence-Based Practice Research Application	2 SH

Certificate of Advanced Graduate Studies (CAGS)— Pediatric Nurse Practitioner, Primary Care

GENERAL REQUIREMENTS

NRSG 6262 Pediatric Pharmacology	2 SH
NRSG 6264 Care of Well Child/Adolescent Health Promotion	4 SH
NRSG 6265 Care of Child/Adolescent Health Problems	4 SH
NRSG 6275 Urban Families at Risk: A Primary Care Approach	4 SH
NRSG 6460 Pediatric Practicum 1	4 SH
NRSG 6461 Pediatric Practicum 2	4 SH
Graduate elective	2 SH

PREREQUISITE COURSES (OR EQUIVALENT)

NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6115 Health Assessment	3 SH

MS in Nursing—Pediatric Nurse Practitioner, Acute and Primary Care

GENERAL REQUIREMENTS

CAEP 5151 Early Intervention: Infant and Toddler Developmental Risk and Disability	3 SH
NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5118 Health-Care System and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6115 Health Assessment	3 SH
NRSG 6262 Pediatric Pharmacology	2 SH

NRSG 6264 Care of Well Child/Adolescent Health Promotion — 4 SH

NRSG 6265 Care of Child/Adolescent Health Problems — 4 SH

NRSG 6267 Care of the Critically Ill Child — 4 SH

NRSG 6275 Urban Families at Risk: A Primary Care Approach — 4 SH

NRSG 6460 Pediatric Practicum 1 — 4 SH

NRSG 6461 Pediatric Practicum 2 — 4 SH

NRSG 6463 Care of the Critically Ill Child Practicum — 4 SH

NRSG 7105 Translating Research Evidence into Practice — 3 SH

NRSG 7110 Evidence-Based Practice Research Application — 2 SH

Certificate of Advanced Graduate Studies (CAGS)— Pediatric Nurse Practitioner, Acute and Primary Care

GENERAL REQUIREMENTS

CAEP 5151 Early Intervention: Infant and Toddler Developmental Risk and Disability — 3 SH

NRSG 6262 Pediatric Pharmacology — 2 SH

NRSG 6264 Care of Well Child/Adolescent Health Promotion — 4 SH

NRSG 6265 Care of Child/Adolescent Health Problems — 4 SH

NRSG 6267 Care of the Critically Ill Child — 4 SH

NRSG 6275 Urban Families at Risk: A Primary Care Approach — 4 SH

NRSG 6460 Pediatric Practicum 1 — 4 SH

NRSG 6461 Pediatric Practicum 2 — 4 SH

NRSG 6463 Care of the Critically Ill Child Practicum — 4 SH

PREREQUISITE COURSES (OR EQUIVALENT)

NRSG 5117 Advanced Pharmacology — 2 SH

NRSG 5126 Pathophysiology for Advanced Practice — 3 SH

NRSG 6115 Health Assessment — 3 SH

Certificate of Advanced Graduate Studies (CAGS)— Pediatric Nurse Practitioner, Acute Care

GENERAL REQUIREMENTS

CAEP 5151 Early Intervention: Infant and Toddler Developmental Risk and Disability — 3 SH

NRSG 6262 Pediatric Pharmacology — 2 SH

NRSG 6265 Care of Child/Adolescent Health Problems — 4 SH

NRSG 6267 Care of the Critically Ill Child — 3 SH

NRSG 6461 Pediatric Practicum 2 — 4 SH

NRSG 6463 Care of the Critically Ill Child Practicum — 4 SH

Graduate elective (see advisor for details) — 3 SH

PREREQUISITE

Certification as a Pediatric Nurse Practitioner in Primary Care

MS in Nursing—Nurse Practitioner, Adult-Gerontology Acute Care

GENERAL REQUIREMENTS

NRSG 5117 Advanced Pharmacology — 2 SH

NRSG 5118 Health-Care System and Professional Role Development — 3 SH

NRSG 5121 Epidemiology and Population Health — 3 SH

NRSG 5126 Pathophysiology for Advanced Practice — 3 SH

NRSG 6115 Health Assessment — 3 SH

NRSG 6220 Nursing Management: Acute Episodic Illness — 3 SH
Coreq. NRSG 6420

NRSG 6221 Nursing Management: Critical and Chronic Illness — 3 SH
Coreq. NRSG 6421

NRSG 6241 Acute-Care Concepts in Nursing Practice — 3 SH
Coreq. NRSG 6422

NRSG 6420 Adult-Gerontology Acute-Care Nursing Practicum 1 — 2 SH
Coreq. NRSG 6220

NRSG 6421 Adult-Gerontology Acute-Care Nursing Practicum 2 — 4 SH
Coreq. NRSG 6221

NRSG 6422 Adult-Gerontology Acute-Care Nursing Practicum 3 — 4 SH
Coreq. NRSG 6241

NRSG 7105 Translating Research Evidence into Practice — 3 SH

NRSG 7110 Evidence-Based Practice Research Application — 2 SH

Graduate elective (see advisor for details) — 3 SH

MS in Nursing—Nurse Practitioner, Adult-Gerontology

GENERAL REQUIREMENTS

NRSG 5115 Health Assessment — 3 SH

NRSG 5117 Advanced Pharmacology — 2 SH

NRSG 5118 Health-Care System and Professional Role Development — 3 SH

NRSG 5121 Epidemiology and Population Health — 3 SH

NRSG 5126 Pathophysiology for Advanced Practice — 3 SH

NRSG 6222 Pharmacology of Adults and Older Adults — 2 SH

NRSG 6249 Health Promotion of Adult/Older Adult — 3 SH

NRSG 6253 Primary Care of Adult/Older Adult Health Problems — 4 SH

NRSG 6254 Primary Care of Complex Patients in Adult Health — 4 SH

NRSG 6449 Health Promotion of Adult/Older Adult Practicum — 1 SH

NRSG 6450 Adult Health Problems Practicum 1 — 4 SH

NRSG 6451 Adult Health Problems Practicum 2 — 4 SH

Graduate elective — 2 SH

MS in Nursing—Family Nurse Practitioner

CREDIT REQUIREMENT

56 semester hours required; 780 clinical hours required

PROFESSIONAL CORE COURSES

NRSG 5118 Health-Care System and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7110 Evidence-Based Practice Research Application	2 SH

CLINICAL CORE COURSES

NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6115 Health Assessment	3 SH
NRSG 6222 Pharmacology of Adults and Older Adults	2 SH
NRSG 6262 Pediatric Pharmacology	2 SH

CLINICAL COURSES

NRSG 6249 Health Promotion of Adult/Older Adult	3 SH
NRSG 6253 Primary Care of Adult/Older Adult Health Problems	4 SH
NRSG 6255 Family Nurse Practitioner Practicum 1	3 SH
NRSG 6256 Family Nurse Practitioner Practicum 2	3 SH
NRSG 6257 Family Nurse Practitioner Practicum 3	3 SH
NRSG 6264 Care of Well Child/Adolescent Health Promotion	4 SH
NRSG 6265 Care of Child/Adolescent Health Problems	4 SH
NRSG 6266 Family Theory and Primary Care in the Childbearing Years	4 SH
NRSG 6449 Health Promotion of Adult/Older Adult Practicum	1 SH
NRSG 6450 Adult Health Problems Practicum 1	4 SH

Certificate of Advanced Graduate Studies (CAGS)—Primary Care, Adult Nurse Practitioner Specialization

GENERAL REQUIREMENTS

NRSG 6222 Pharmacology of Adults and Older Adults	2 SH
NRSG 6249 Health Promotion of Adult/Older Adult	3 SH
NRSG 6253 Primary Care of Adult/Older Adult Health Problems	4 SH
NRSG 6254 Primary Care of Complex Patients in Adult Health	4 SH
NRSG 6449 Health Promotion of Adult/Older Adult Practicum	1 SH
NRSG 6450 Adult Health Problems Practicum 1	4 SH
NRSG 6451 Adult Health Problems Practicum 2	4 SH
Graduate elective	2 SH

PREREQUISITE COURSES (OR EQUIVALENT)

NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6115 Health Assessment	3 SH

Certificate of Advanced Graduate Studies (CAGS)—Primary Care, Family Nurse Practitioner Specialization

GENERAL REQUIREMENTS

NRSG 6222 Pharmacology of Adults and Older Adults	2 SH
NRSG 6249 Health Promotion of Adult/Older Adult	3 SH
NRSG 6253 Primary Care of Adult/Older Adult Health Problems	4 SH
NRSG 6255 Family Nurse Practitioner Practicum 1	3 SH
NRSG 6256 Family Nurse Practitioner Practicum 2	3 SH
NRSG 6257 Family Nurse Practitioner Practicum 3	3 SH
NRSG 6262 Pediatric Pharmacology	2 SH
NRSG 6264 Care of Well Child/Adolescent Health Promotion	4 SH
NRSG 6265 Care of Child/Adolescent Health Problems	4 SH
NRSG 6266 Family Theory and Primary Care in the Childbearing Years	4 SH
NRSG 6449 Health Promotion of Adult/Older Adult Practicum	1 SH
NRSG 6450 Adult Health Problems Practicum 1	4 SH

PREREQUISITE COURSES (OR EQUIVALENT)

NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6115 Health Assessment	3 SH

MS in Psychiatric/Mental Health Nursing

CREDIT REQUIREMENT

43 semester hours required

GENERAL REQUIREMENTS

NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5118 Health-Care System and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6115 Health Assessment	3 SH
NRSG 6281 Dimensions of Clinical Practice	3 SH
NRSG 6282 Clinical Psychopharmacology	3 SH
NRSG 6283 Psychobiological Bases of Mental Disorders	3 SH
NRSG 6286 Contemporary Psychotherapies—Theory and Practice	3 SH
NRSG 6480 Psychiatric Practicum across the Life Span 1	5 SH
NRSG 6481 Psychiatric Nursing Practicum 2	5 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7110 Evidence-Based Practice Research Application	2 SH
Graduate elective	2 SH

BSN/MS in Psychiatric Mental Health Nursing

CREDIT REQUIREMENT

67 semester hours required

GENERAL REQUIREMENTS

NRSG 5100 Professional Development and Scientific Basis	4 SH
NRSG 5101 Computer and Nursing Informatics	3 SH
NRSG 5102 Public Health Nursing	4 SH
NRSG 5103 Cultural Diversity in Nursing Practice	2 SH
NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5118 Health-Care System and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6115 Health Assessment	3 SH
NRSG 6281 Dimensions of Clinical Practice	3 SH
NRSG 6282 Clinical Psychopharmacology	3 SH
NRSG 6283 Psychobiological Bases of Mental Disorders	3 SH
NRSG 6286 Contemporary Psychotherapies— Theory and Practice	3 SH
NRSG 6480 Psychiatric Practicum across the Life Span 1	5 SH
NRSG 6481 Psychiatric Nursing Practicum 2	5 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7110 Evidence-Based Practice Research Application	2 SH
Graduate electives	11 SH

Certificate of Advanced Graduate Studies (CAGS) in Psychiatric Mental Health Nursing

CREDIT REQUIREMENT

24 semester hours required

GENERAL REQUIREMENTS

NRSG 6281 Dimensions of Clinical Practice	3 SH
NRSG 6282 Clinical Psychopharmacology	3 SH
NRSG 6283 Psychobiological Bases of Mental Disorders	3 SH
NRSG 6286 Contemporary Psychotherapies— Theory and Practice	3 SH
NRSG 6480 Psychiatric Practicum across the Life Span 1	5 SH
NRSG 6481 Psychiatric Nursing Practicum 2	5 SH
Graduate elective	2 SH

MS in Nursing with Concentration in Nurse Anesthesia

GENERAL REQUIREMENTS

NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5118 Health-Care System and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH

NRSG 6115 Health Assessment	3 SH
NRSG 6320 Role/Practice Issues in Nurse Anesthesia	3 SH
NRSG 6321 Conceptual Basis of Nurse Anesthesia Practice 1 *Coreq.* NRSG 6530	3 SH
NRSG 6322 Conceptual Basis of Nurse Anesthesia Practice 2 *Coreq.* NRSG 6534	3 SH
NRSG 6324 Chemistry and Physics in Anesthesia	3 SH
NRSG 6325 Pharmacotherapeutics in Anesthesia and Critical Care Nursing	2 SH
NRSG 6333 Conceptual Basis of Nurse Anesthesia Practice 3 *Coreq.* NRSG 6535	3 SH
NRSG 6336 Advanced Concepts in Nurse Anesthesia Practice *Coreq.* NRSG 6540	3 SH
NRSG 6530 Nurse Anesthesia Practicum 1 *Coreq.* NRSG 6321	2 SH
NRSG 6534 Nurse Anesthesia Practicum 2 *Coreq.* NRSG 6322	4 SH
NRSG 6535 Nurse Anesthesia Practicum 3 *Coreq.* NRSG 6333	4 SH
NRSG 6540 Advanced Clinical Experiences in Nurse Anesthesia 1 *Coreq.* NRSG 6336	1 SH
NRSG 6541 Advanced Clinical Experiences in Nurse Anesthesia 2	1 SH
NRSG 6542 Advanced Clinical Experiences in Nurse Anesthesia 3	1 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7110 Evidence-Based Practice Research Application	2 SH
Clinical elective	2 SH

Certificate of Advanced Graduate Studies (CAGS) in Nurse Anesthesia

GENERAL REQUIREMENTS

NRSG 5117 Advanced Pharmacology*	2 SH
NRSG 5126 Pathophysiology for Advanced Practice*	3 SH
NRSG 6115 Health Assessment*	3 SH
* *Note:* Exempted if course was taken in MS program	
NRSG 6320 Role/Practice Issues in Nurse Anesthesia	3 SH
NRSG 6321 Conceptual Basis of Nurse Anesthesia Practice 1 *Coreq.* NRSG 6530	3 SH
NRSG 6322 Conceptual Basis of Nurse Anesthesia Practice 2 *Coreq.* NRSG 6534	3 SH
NRSG 6324 Chemistry and Physics in Anesthesia	3 SH
NRSG 6325 Pharmacotherapeutics in Anesthesia and Critical Care Nursing	2 SH

NRSG 6333 Conceptual Basis of Nurse Anesthesia Practice 3   3 SH
   Coreq. NRSG 6535

NRSG 6336 Advanced Concepts in Nurse Anesthesia Practice   3 SH
   Coreq. NRSG 6540

NRSG 6530 Nurse Anesthesia Practicum 1   2 SH
   Coreq. NRSG 6321

NRSG 6534 Nurse Anesthesia Practicum 2   4 SH
   Coreq. NRSG 6322

NRSG 6535 Nurse Anesthesia Practicum 3   4 SH
   Coreq. NRSG 6333

NRSG 6540 Advanced Clinical Experiences in Nurse Anesthesia 1   1 SH
   Coreq. NRSG 6336

NRSG 6541 Advanced Clinical Experiences in Nurse Anesthesia 2   1 SH

NRSG 6542 Advanced Clinical Experiences in Nurse Anesthesia 3   1 SH

MS in Nursing with Concentration in Nurse Anesthesia (CRNA) Completion Program

GENERAL REQUIREMENTS

NRSG 5118 Health-Care System and Professional Role Development	3 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 6115 Health Assessment	3 SH
NRSG 6320 Role/Practice Issues in Nurse Anesthesia	3 SH
NRSG 6324 Chemistry and Physics in Anesthesia	3 SH
NRSG 6325 Pharmacotherapeutics in Anesthesia and Critical Care Nursing	2 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7110 Evidence-Based Practice Research Application	2 SH

DNP in Nursing with Concentration in Nurse Anesthesia (CRNA)

GENERAL REQUIREMENTS

NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 5170 Statistics in Nursing	2 SH
NRSG 5172 Clinical Anatomy and Physiology 1 for Nurse Anesthesia	6 SH
NRSG 5174 Clinical Anatomy and Physiology 2 for Nurse Anesthesia	5 SH
NRSG 5182 Physical Examination and Differential Diagnosis	4 SH
NRSG 5184 Biochemistry for Nurse Anesthesia	4 SH
NRSG 6300 Health-Care Finance and Marketing	3 SH
NRSG 6302 Health Policy and Law	3 SH
NRSG 6306 Health Informatics 1	3 SH
NRSG 6369 Pharmacology for Nurse Anesthesia 1	5 SH
NRSG 6371 Pharmacology for Nurse Anesthesia 2	4 SH

NRSG 6372 Professional Aspects of Nurse Anesthesia Practice	3 SH
NRSG 6374 Fundamentals of Nurse Anesthesia 1	6 SH
NRSG 6377 Fundamentals of Nurse Anesthesia 2	6 SH
NRSG 6378 Fundamentals of Nurse Anesthesia 3	6 SH
NRSG 6570 Nurse Anesthesia Role Practicum 1	12 SH
NRSG 6572 Nurse Anesthesia Clinical Practicum 1	10 SH
NRSG 6574 Nurse Anesthesia Role Practicum 2	12 SH
NRSG 6576 Nurse Anesthesia Clinical Practicum 2	10 SH
NRSG 7100 Leadership in Advanced Practice Nursing	3 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7915 Capstone 1	3 SH
NRSG 7917 Capstone 2	6 SH

DNP—Doctor of Nursing Practice, Post-Master's

GENERAL REQUIREMENTS

NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 6300 Health-Care Finance and Marketing	3 SH
NRSG 6302 Health Policy and Law	3 SH
NRSG 6306 Health Informatics 1	3 SH
NRSG 7100 Leadership in Advanced Practice Nursing	3 SH
NRSG 7105 Translating Research Evidence into Practice	3 SH
NRSG 7915 Capstone 1	3 SH
NRSG 7917 Capstone 2	6 SH
Graduate elective	3 SH

PREREQUISITES

RN with two years' experience

MS in Nursing or, in some cases, a related field

PhD in Nursing—Advanced Degree Entrance

GENERAL REQUIREMENTS

LPSC 7305 Research and Statistical Methods	3 SH
NRSG 7700 The Science of Nursing	3 SH
NRSG 7706 Design and Methods for Clinical Nursing Research	3 SH
NRSG 7709 Qualitative Research Methods	3 SH
NRSG 7712 Quantitative Research Methods	3 SH
NRSG 7715 Measurement in Clinical Research	3 SH
NRSG 7750 Health Care of Urban Populations	3 SH
NRSG 7781 Lab for NRSG 7780	1 SH
NRSG 7782 Multiple Regression Analysis in Health Sciences	3 SH
NRSG 9845 Dissertation Seminar 1	3 SH
NRSG 9846 Dissertation Seminar 2	3 SH
NRSG 9990 Dissertation	12 SH
Graduate elective	3 SH

PhD in Nursing—Bachelor's Degree Entrance

GENERAL REQUIREMENTS

LPSC 7305 Research and Statistical Methods	3 SH
NRSG 5117 Advanced Pharmacology	2 SH
NRSG 5121 Epidemiology and Population Health	3 SH
NRSG 5126 Pathophysiology for Advanced Practice	3 SH
NRSG 7700 The Science of Nursing	3 SH
NRSG 7706 Design and Methods for Clinical Nursing Research	3 SH
NRSG 7709 Qualitative Research Methods	3 SH
NRSG 7712 Quantitative Research Methods	3 SH
NRSG 7715 Measurement in Clinical Research	3 SH
NRSG 7750 Health Care of Urban Populations	3 SH
NRSG 7781 Lab for NRSG 7780	1 SH
NRSG 9845 Dissertation Seminar 1	3 SH
NRSG 9846 Dissertation Seminar 2	3 SH
NRSG 9990 Dissertation	12 SH
Two graduate electives	6 SH
Three clinical cognate courses	9 SH

SCHOOL OF PHARMACY (PHARMACEUTICAL SCIENCES)

www.bouve.neu.edu/pharmacy

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Pharmaceutical science is a problem-solving discipline concerned with the discovery, design, and use of drugs. Pharmaceutical scientists find new targets for drug development, research how drugs work at a molecular level, and determine how drugs' properties, dosages, and delivery systems affect their performance. Northeastern has a well-deserved reputation among students, researchers, and other universities. Our department has five interlinked Centers of Research Excellence that pursue specific areas of pharmaceutical and chemical research: the Center for Drug Discovery, the New England Inflammation and Tissue Protection Institute, the Center for Pharmaceutical Biotechnology and Nanomedicine, the Center for Translational Imaging, and the Environmental Cancer Research Program. Northeastern offers many of its classes in the evening to accommodate the needs of the working community. Many students in the pharmaceutical science MS program complete their degree on a part-time basis. For those interested in discovery, problem solving, and cutting-edge research in one of the world's foremost scientific and medical environments, Northeastern University's School of Pharmacy in the Bouvé College of Health Sciences is the place to study pharmaceutical science.

Pharmaceutical science is inherently interdisciplinary, and this is reflected in the availability of several options at both the MS and PhD levels. The main options are pharmaceutics and drug delivery, pharmacology, and medicinal chemistry. The curriculum for each of these options allows a degree of flexibility in terms of specific courses taken, and the examples below are not absolute but reflect students' most common choices made with the advice of faculty members. Even more flexibility is possible with the MS in Pharmaceutical Sciences (interdisciplinary concentration).

MS in Pharmaceutics

CREDIT REQUIREMENT

33 semester hours required

YEAR 1, FALL SEMESTER

BIOL 6300 Biochemistry	4 SH
PHSC 5100 Concepts in Pharmaceutical Science	2 SH
PHSC 6216 Human Physiology and Pathophysiology	2 SH

YEAR 1, SPRING SEMESTER

BIOL 6301 Molecular Cell Biology	4 SH
PHSC 7010 Pharmaceutical Sciences Laboratory	4 SH
PMST 6250 Advanced Physical Pharmacy	2 SH

YEAR 2, FALL SEMESTER

PHSC 6210 Drug Design, Evaluation, and Development	2 SH
PHSC 6214 Experimental Design and Biometrics	2 SH
PHSC 6990 Thesis	2 SH
PMST 6254 Advanced Drug Delivery System	3 SH

YEAR 2, SPRING SEMESTER

BIOL 6381 Ethics in Biological Research	2 SH
NRSG 6800 Introduction to Industry Research Guidelines	3 SH
PMST 6252 Pharmacokinetics and Drug Metabolism	3 SH

MS in Pharmacology

CREDIT REQUIREMENT

33 semester hours required

YEAR 1, FALL SEMESTER

BIOL 6300 Biochemistry	4 SH
PHSC 5100 Concepts in Pharmaceutical Science	2 SH
PHSC 6216 Human Physiology and Pathophysiology	2 SH

YEAR 1, SPRING SEMESTER

BIOL 6301 Molecular Cell Biology	4 SH
PHSC 7010 Pharmaceutical Sciences Laboratory	4 SH
PMCL 6260 Pharmacology I	2 SH

YEAR 2, FALL SEMESTER

BIOL 6381 Ethics in Biological Research	2 SH
PHSC 6210 Drug Design, Evaluation, and Development	2 SH
PHSC 6214 Experimental Design and Biometrics	2 SH
PHSC 6990 Thesis	2 SH

YEAR 2, SPRING SEMESTER

NRSG 6800 Introduction to Industry Research Guidelines	3 SH
PMCL 6261 Pharmacology II	2 SH
PMCL 6262 Receptor Pharmacology	2 SH

MS in Medicinal Chemistry

CREDIT REQUIREMENT

33 semester hours required

YEAR 1, FALL SEMESTER

BIOL 6300 Biochemistry	4 SH
PHSC 5100 Concepts in Pharmaceutical Science	2 SH
PHSC 6210 Drug Design, Evaluation, and Development	2 SH

YEAR 1, SPRING SEMESTER

BIOL 6381 Ethics in Biological Research	2 SH
CHEM 5626 Organic Synthesis 1	3 SH
CHEM 5676 Bioorganic Chemistry	3 SH

YEAR 2, FALL SEMESTER

CHEM 5612 Principles of Mass Spectrometry	3 SH
CHEM 5626 Organic Synthesis 1	3 SH
PHSC 6222 Chemistry and Biology of Drugs or Abuse	2 SH
PHSC 6990 Thesis	2 SH

YEAR 2, SPRING SEMESTER

CHEM 5628 Spectroscopy of Organ Compounds	3 SH
CHEM 5672 Organic Synthesis 2	3 SH
PHSC 6996 Thesis Continuation	0 SH

PSM—Professional Science Master's in Biomedical Nanotechnology

This MS program in biomedical nanotechnology incorporates aspects of the pharmaceutical sciences curriculum with courses in nanotechnology, entrepreneurship, and law. The combination of these fields results in a unique curriculum that offers students an opportunity to obtain skills not only in the relevant science but also in leadership, business, and intellectual property law. Furthermore, the program directly addresses a core mission of the university: the provision of practice-oriented educational programs in major scientific disciplines.

Prerequisites: calculus, organic chemistry, biochemistry, and physiology.

CREDIT REQUIREMENT

34 semester hours required

YEAR 1, FALL SEMESTER

NNMD 7270 Introduction to Nanomedicine Science and Technology	3 SH
PHSC 5100 Concepts in Pharmaceutical Science	2 SH
PHSC 5300 Pharmaceutical Biochemistry	2 SH
PHSC 6300 Pharmaceutical Science Seminar	1 SH

YEAR 1, SPRING SEMESTER

NNMD 7370 Nanosystems Design for Biology and Medicine	2 SH
PHSC 7010 Pharmaceutical Sciences Laboratory	4 SH
Elective	2 SH

YEAR 1, SUMMER FULL SEMESTER

PHSC 6212 Research Skills and Ethics	1 SH

YEAR 2, FALL SEMESTER

ENTR 6200 Enterprise Growth and Innovation	3 SH
LAW 7369 Intellectual Property	3 SH
PMST 6254 Advanced Drug Delivery System	3 SH

YEAR 2, SPRING SEMESTER

EECE 5698 Special Topics in Electrical and Computer Engineering	4 SH
ENTR 6212 New Venture Creation	3 SH
TBD Special Topics in Nanotechnology and Law	1 SH

YEAR 2, SUMMER FULL SEMESTER

PHSC 6401 Pharmaceutical Science Internship	1 SH

PhD in Pharmaceutics

PhD in Pharmacology

PhD in Medicinal Chemistry and Drug Discovery

PhD in Pharmaceutics and Drug Delivery Systems

PhD in Pharmaceutical Sciences—Interdisciplinary Concentration

REQUIREMENTS

These research PhD degrees typically require two to four years of laboratory studies after completion of studies for the corresponding MS degree. The studies result in the preparation of a dissertation and its defense in front of committee and in peer-reviewed publication of the work.

PHYSICAL THERAPY

www.northeastern.edu/bouve/pt

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Northeastern University physical therapy (PT) graduates are innovative, global leaders who excel in clinical practice, research, and community service. As one of the longest-accredited physical therapy programs in the United States, and the only program with cooperative education, we seek to graduate our students with exceptional clinical decision-making skills and experience in the field of physical therapy.

We offer three entry points in the Doctor of Physical Therapy:

- The transitional Doctor of Physical Therapy (DPT) is for applicants who hold a baccalaureate or master's degree in physical therapy and a U.S. license in physical therapy.
- The postbaccalaureate direct-entry DPT is for applicants who hold a baccalaureate or master's degree in a field other than physical therapy.
- The entry-level DPT is for applicants applying as freshmen students.

Our Doctor of Physical Therapy program builds on the university's core values of interdisciplinary education, urban engagement, international knowledge, and cutting-edge research. Our exceptional faculty are dedicated to promoting excellence in practice, education, scholarship, and community service. Faculty are active in the American Physical Therapy Association and engaged in active clinical research and practice. A hallmark of our program is the integration of experiential learning and didactic education whether through use of standardized patients, communication and interaction with community consultants, participation in service-learning projects, or engagement in research with our faculty.

Unique Program Features

INTERPROFESSIONAL OPPORTUNITIES
Bouvé van provides community access to health care offered in conjunction with the nursing, pharmacy, speech-language pathology, and public health programs.

GLOBAL
Beyond the traditional semester abroad, we offer multiple global academic and service-oriented experiences such as Global

Dialogues (thirty days in-country), PT academic exchange programs, and global service PT programs to Mexico and Ecuador.

CONCENTRATIONS
- Early intervention—working with children with disabilities or at risk for developmental delays. This program is offered in conjunction with the Department of Counseling Psychology.
- Sports conditioning and management of the athlete.
- Psychology, business, foreign language.

RESEARCH OPPORTUNITIES
- Biomotion Lab
- Cadaver Lab
- Cancer Survivorship Center
- Ergonomics Lab
- Neurocognitive Rehabilitation Research Lab
- Neurorehabilitation Laboratory
- Neuroscience Wet Lab
- Rehabilitation and Epidemiology Trainee Program
- Robotics Lab
- Teaching and Learning Innovation

CLINICAL EDUCATION
- Throughout the United States, including Division I athletic programs
- Thirty weeks of internship plus six months to one year of paid clinical experience through our unique cooperative education program

DPT—Doctor of Physical Therapy

YEAR 1, SPRING SEMESTER

HLTH 5450 Health-Care Research	4 SH
HLTH 5451 Recitation for HLTH 5450	0 SH
PT 5101 Foundations of Physical Therapy	3 SH
Coreq. PT 5102	
PT 5102 Lab for PT 5101	1 SH
Coreq. PT 5101	
PT 5131 Gross Anatomy	4 SH
Coreq. PT 5132	
PT 5132 Lab for PT 5131	1 SH
Coreq. PT 5131	
PT 5160 Psychosocial Aspects of Health Care	3 SH
Coreq. PT 5161	
PT 5161 Psychosocial Aspects of Health Care Seminar	1 SH
Coreq. PT 5160	

YEAR 1, SUMMER FULL SEMESTER

PT 5133 Kinesiology	3 SH
Coreq. PT 5134	
PT 5134 Lab for PT 5133	1 SH
Coreq. PT 5133	
PT 5138 Neuroscience	4 SH
Coreq. PT 5139	
PT 5139 Lab for PT 5138	1 SH
Coreq. PT 5138	

PT 5140 Pathology	4 SH
Coreq. PT 5141	
PT 5141 Recitation for PT 5140	0 SH
Coreq. PT 5140	
PT 5145 Introduction to the Health-Care System	2 SH

YEAR 2, FALL SEMESTER

PHSC 4340 Pharmacology for Health Professions	4 SH
PT 5111 Professional Development for Bouvé Graduate Co-op	1 SH
PT 5150 Motor Control and Development	3 SH
Coreq. PT 5151	
PT 5151 Lab for PT 5150	0 SH
PT 5503 Cardiovascular and Pulmonary Management	4 SH
Coreq. PT 5504	
PT 5504 Lab for PT 5503	1 SH
Coreq. PT 5503	

YEAR 2, SPRING SEMESTER

PT 6964 Co-op Work Experience	0 SH

YEAR 2, SUMMER 1 SEMESTER

PT 6964 Co-op Work Experience	0 SH

YEAR 2, SUMMER 2 SEMESTER

PT 5515 Integumentary Systems and Advanced Modalities	2 SH
Coreq. PT 5516	
PT 5516 Lab for PT 5515	1 SH
Coreq. PT 5515	
PT 5540 Clinical Integration 1	2 SH
PT 6243 Health Assessment and Wellness	3 SH
Coreq. PT 6244	
PT 6244 Recitation for PT 6243	0 SH
Coreq. PT 6243	

YEAR 3, FALL SEMESTER

PT 5209 Neurological Rehabilitation 1	4 SH
Coreq. PT 5210	
PT 5210 Lab for PT 5209	1 SH
Coreq. PT 5209	
PT 5227 Physical Therapy Project 1	3 SH
PT 5505 Musculoskeletal Management 1	4 SH
Coreq. PT 5506	
PT 5506 Lab for PT 5505	1 SH
Coreq. PT 5505	
PT 6000 Leadership, Administration, and Management	2 SH
PT 6241 Medical Screening for Physical Therapy	4 SH

YEAR 3, SPRING SEMESTER

PT 5226 Physical Therapy Professional Seminar 2	2 SH
PT 5229 Physical Therapy Project 2	2 SH
PT 5230 Pediatric and Geriatric Aspects of Life Span Management	2 SH
PT 6221 Neurological Rehabilitation 2	4 SH
Coreq. PT 6222	

PT 6222 Lab for PT 6221   1 SH
   Coreq. PT 6221
PT 6223 Musculoskeletal Management 2   4 SH
   Coreq. PT 6224
PT 6224 Lab for PT 6223   1 SH
   Coreq. PT 6223

YEAR 3, SUMMER 1 SEMESTER
PT 6441 Clinical Education 1   6 SH

YEAR 3, SUMMER 2 SEMESTER
PT 6215 Assistive Technology   3 SH
   Coreq. PT 6216
PT 6216 Lab for PT 6215   1 SH
   Coreq. PT 6215
PT 6250 Clinical Integration 2   2 SH
Elective in the range PT 6231 through 6237   2 SH

YEAR 4, FALL SEMESTER
PT 6251 Diagnostic Imaging   3 SH
PT 6442 Clinical Education 2   6 SH

YEAR 4, SPRING SEMESTER
PT 6448 Clinical Education 3   9 SH

<div style="background:red;color:white">PHYSICIAN ASSISTANT</div>

www.northeastern.edu/bouve/pa

ROSANN IPPOLITO, PhD, PA-C
Program Director and Clinical Professor

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Established in 1971, the physician assistant (PA) program has a long-standing history of, and expertise in, the education and training of physician assistants. The PA program is located in close proximity to Boston's major academic medical centers and was the first generalist PA training program in the nation to offer a master's degree in 1985.

This rigorous, highly integrated curriculum offers our students the opportunity to obtain broad generalist training that prepares them for successful employment in all fields of clinical practice. Our instructional faculty members are practicing clinicians from throughout New England, and most have been teaching with the program for many years. The clinical year is designed to provide students with experience in diverse health-care settings in our well-established network of clinical rotation sites.

Northeastern's PA program graduates are employed in positions across the United States, and some have worked internationally. In addition to clinical practice, our graduates are employed in research, administration, and education.

MS in Physician Assistant Studies

YEAR 1, FALL SEMESTER
PA 6200 Anatomy and Physiology 1   3 SH
PA 6203 Physical Diagnosis and Patient Evaluation 1   3 SH
PA 6205 Pharmacology 1   2 SH
PA 6208 Professional Issues for Physician Assistants   2 SH
PA 6311 Principles of Medicine 1   4 SH
PA 6325 Principles of Psychiatry   2 SH

YEAR 1, SPRING SEMESTER
PA 6201 Anatomy and Physiology 2   3 SH
PA 6204 Physical Diagnosis and Patient Evaluation 2   3 SH
PA 6206 Pharmacology 2   2 SH
PA 6207 Clinical Laboratory and Diagnostic Methods   4 SH
PA 6312 Principles of Medicine 2   4 SH
PA 6321 Principles of Surgery   2 SH
PA 6323 Clinical Neurology   2 SH
PA 6324 Principles of Pediatrics   2 SH
PA 6329 Health-Care Delivery   2 SH

YEAR 1, SUMMER FULL SEMESTER

PA 6313 Principles of Medicine 3	4 SH
PA 6320 Principles of Obstetrics and Gynecology	2 SH
PA 6322 Principles of Orthopedics	2 SH
PA 6326 Aspects of Primary Care	4 SH
PA 6327 Emergency Medicine and Critical Care	2 SH
PA 6328 Aging and Rehabilitation Medicine	2 SH
PA 6330 Research Design	2 SH

YEAR 2, FALL SEMESTER

Three clinical courses in the range PA 6400 through 6408	15 SH

YEAR 2, SPRING SEMESTER

Three clinical courses in the range PA 6400 through 6408	15 SH

YEAR 2, SUMMER FULL SEMESTER

Three clinical courses in the range PA 6400 through 6408	15 SH

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

www.northeastern.edu/bouve/slpa

ENNIO MINGOLLA, PhD
Professor and Chair
THERESE O'NEIL-PIROZZI, ScD, CCC-SLP
SLP Program Director and Associate Professor
SANDRA CLEVELAND, AuD, CCC-A
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MS in Speech Language Pathology Program
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Doctor of Audiology Program
Office: 503 Behrakis Health Sciences Center
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We are a learning community in which faculty and students support each other's learning across the life span. Our department mission is to educate students to the highest levels of professionalism, consistent with American Speech-Language-Hearing Association (ASHA) and Northeastern University accreditation standards and Massachusetts licensure requirements; to provide them with a multidisciplinary and practice-oriented education in our urban university environment; to provide them with research experiences based on the highest standards of scientific knowledge; to provide them with clinical experiences with clients and families from a diverse population base using an evidence-informed practice approach; to evaluate their progress using both formative and summative assessment measures.

Our faculty engage in continuous learning both inside and outside the department to be current in recent research and to contribute to that knowledge base. They use, develop, and address in their teaching technology that improves the hearing, communication, respiration, and swallowing skills of individuals at a variety of age and skill levels.

MS in Speech-Language Pathology/Audiology

YEAR 1, FALL SEMESTER

SLPA 5109 Neurology of Communication	3 SH
SLPA 5201 Diagnostic Testing in Speech-Language Pathology	1 SH
SLPA 6305 Articulation and Phonology or SLPA 6308 Dysphagia	3 SH

SLPA 6306 Speech-Language Disorders in Children   3 SH

SLPA 6415 Speech-Language Pathology Advanced   3 SH
Clinical Practicum 1 or
SLPA 5107 Clinical Procedures

YEAR 1, SPRING SEMESTER

SLPA 6211 Research and Evidence-Based Practice   3 SH
SLPA 6301 Speech Science   3 SH
SLPA 6309 Speech-Language Disorders in Adults   3 SH
SLPA 6416 Speech-Language Pathology Advanced   2 or 3 SH
Clinical Practicum 2 or
SLPA 6415 Speech-Language Pathology Advanced
Clinical Practicum 1

YEAR 1, SUMMER 1 SEMESTER

SLPA 6416 Speech-Language Pathology Advanced   2 SH
Clinical Practicum 2
SLPA 6420 Practical Statistics for Speech-Language   3 SH
Pathology and Audiology

YEAR 2, FALL SEMESTER

SLPA 6219 Aural Rehabilitation or elective   3 SH
SLPA 6305 Articulation and Phonology or   3 SH
SLPA 6308 Dysphagia
SLPA 6307 Voice Disorders   3 SH
SLPA 6417 Speech-Language Pathology Advanced   2 SH
Clinical Practicum 3

YEAR 2, SPRING SEMESTER

SLPA 6303 Stuttering   3 SH
SLPA 6304 Augmentative and Alternative   3 SH
Communication
SLPA 6321 Motor Speech Disorders   3 SH
SLPA 6322 Language Literacy   3 SH
SLPA 6418 Speech-Language Pathology Advanced   2 SH
Clinical Practicum 4

AuD—Doctor of Audiology

YEAR 1, FALL SEMESTER

SLPA 5100 Diagnostic Audiometry   3 SH
SLPA 5111 Anatomy and Physiology of the Auditory   3 SH
System
SLPA 6221 Hearing Science   3 SH
SLPA 6751 Advanced Audiology Clinic 1   2 SH

YEAR 1, SPRING SEMESTER

SLPA 5104 Differential Diagnosis in Audiology   3 SH
SLPA 5105 Auditory Pathologies   3 SH
SLPA 6336 Instrumentation and Electronics for   3 SH
Audiologists
SLPA 6715 Amplification 1   3 SH
SLPA 6752 Advanced Audiology Clinic 2   2 SH

YEAR 1, SUMMER 1 SEMESTER

SLPA 6420 Practical Statistics for Speech-Language   3 SH
Pathology and Audiology
SLPA 6722 Evaluation and Treatment of Central   3 SH
Pathologies or
SLPA 5108 Rehabilitation Audiology

YEAR 1, SUMMER FULL SEMESTER

SLPA 6753 Advanced Audiology Clinic 3   2 SH

YEAR 2, FALL SEMESTER

Counseling elective or other elective   3 SH
SLPA 6208 Pediatric Audiology   2 SH
SLPA 6214 Noise and Hearing   2 SH
SLPA 6716 Amplification 2   3 SH
SLPA 6754 Advanced Audiology Clinic 4   2 SH

YEAR 2, SPRING SEMESTER

SLPA 6209 Psychoacoustics   2 SH
SLPA 6210 Psychosocial Aspects of Communication   2 SH
Disorders
SLPA 6211 Research and Evidence-Based Practice   3 SH
SLPA 6737 Advanced Evoked Potential Measures   3 SH
SLPA 6755 Advanced Audiology Clinic 5   2 SH
SLPA 6985 AuD Research Project 1   1 SH

YEAR 2, SUMMER 1 SEMESTER

Counseling elective or other elective   3 SH
SLPA 6722 Evaluation and Treatment of Central   3 SH
Pathologies or
SLPA 5108 Rehabilitation Audiology

YEAR 2, SUMMER FULL SEMESTER

SLPA 6756 Advanced Audiology Clinic 6   2 SH

YEAR 3, FALL SEMESTER

SLPA 5110 Language Disorders across the Life Span   3 SH
SLPA 6711 Scope of Practice in Audiology   2 SH
SLPA 6757 Advanced Audiology Clinic 7   3 SH
SLPA 6773 Topics Seminar   3 SH
SLPA 6986 AuD Research Project 2   1 SH

YEAR 3, SPRING SEMESTER

SLPA 6314 Professional Practice   2 SH
SLPA 6727 Assessment and Treatment of Balance   3 SH
Disorders
SLPA 6741 Pharmacology for Audiologists   2 SH
SLPA 6747 Implantable Hearing Devices   3 SH
SLPA 6758 Advanced Audiology Clinic 8   3 SH
SLPA 6987 AuD Research Project 3   1 SH

YEAR 3, SUMMER FULL SEMESTER

SLPA 6791 AuD Clinic Internship 1   3 SH

YEAR 4, FALL SEMESTER

SLPA 6792 AuD Clinic Internship 2   3 SH

YEAR 4, SPRING SEMESTER

SLPA 6793 AuD Clinic Internship 3   3 SH

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Biotechnology Program
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With Northeastern University's interdisciplinary graduate programs in health informatics, you have an opportunity to gain the knowledge and skills needed to use information technology to improve health-care delivery and outcomes—and to advance your career in a growing field. We seek to educate the leaders who use technology to improve health care for the future.

MS in Biotechnology—Molecular Track

Part-time students go at their own pace.

YEAR 1, FALL SEMESTER

BIOL 6300 Biochemistry	4 SH
BIOT 5120 Introduction to Biotechnology	2 SH
BIOT 5219 The Biotechnology Enterprise	3 SH

YEAR 1, SPRING SEMESTER

BIOL 6301 Molecular Cell Biology	4 SH
BIOT 6214 Experimental Design and Biometrics	2 SH
BIOT 7245 Biotechnology Applications Laboratory	2 SH

YEAR 2, FALL SEMESTER

BIOT 5130 Management Skills in Biotechnology	2 SH
CHEM 5611 Analytical Separations	3 SH
CHEM 5612 Principles of Mass Spectrometry	3 SH

YEAR 2, SPRING SEMESTER

CHEM 5660 Analytical Biochemistry	3 SH
Graduate electives	5 SH

GENERAL REQUIREMENTS

BIOT 6411 Biotechnology Co-op Reflection Seminar	1 SH
BIOT 6964 Co-op Work Experience	0 SH

MS in Biotechnology—Pharmaceutical Track

Part-time students go at their own pace.

YEAR 1, FALL SEMESTER

BIOL 6300 Biochemistry	4 SH
BIOT 5120 Introduction to Biotechnology	2 SH
BIOT 5219 The Biotechnology Enterprise	3 SH

YEAR 1, SPRING SEMESTER

BIOL 6301 Molecular Cell Biology	4 SH
BIOT 6214 Experimental Design and Biometrics	2 SH
BIOT 7245 Biotechnology Applications Laboratory	2 SH

YEAR 2, FALL SEMESTER

BIOT 5130 Management Skills in Biotechnology	2 SH
PHSC 5100 Concepts in Pharmaceutical Science	2 SH
PHSC 6210 Drug Design, Evaluation, and Development	2 SH
PHSC 6216 Human Physiology and Pathophysiology	2 SH

YEAR 2, SPRING SEMESTER

PMST 6252 Pharmacokinetics and Drug Metabolism	3 SH
PMST 6254 Advanced Drug Delivery System	3 SH
Graduate elective	2 SH

GENERAL REQUIREMENTS

BIOT 6411 Biotechnology Co-op Reflection Seminar	1 SH
BIOT 6964 Co-op Work Experience	0 SH

MS in Biotechnology—Process Development Track

Part-time students go at their own pace.

YEAR 1, FALL SEMESTER

BIOL 6300 Biochemistry	4 SH
BIOT 5120 Introduction to Biotechnology	2 SH
BIOT 5219 The Biotechnology Enterprise	3 SH

YEAR 1, SPRING SEMESTER

BIOL 6301 Molecular Cell Biology	4 SH
BIOT 6214 Experimental Design and Biometrics	2 SH
BIOT 7245 Biotechnology Applications Laboratory	2 SH

YEAR 2, FALL SEMESTER

BIOT 5130 Management Skills in Biotechnology	2 SH
CHME 5630 Biochemical Engineering	4 SH
Graduate elective	2 SH

YEAR 2, SPRING SEMESTER

BIOT 5631 Cell Culture Processes for Recombinant Protein Production or BIOT 5635 Protein Purification in Process Development	3 SH
Graduate electives	5 SH

GENERAL REQUIREMENTS

BIOT 6411 Biotechnology Co-op Reflection Seminar	1 SH
BIOT 6964 Co-op Work Experience	0 SH

MS in Biopharmaceutical Regulatory Science

Part-time students go at their own pace.

YEAR 1, FALL SEMESTER

CHEM 5500 Introduction to Regulatory Science	2 SH
CHEM 5550 Introduction to Glycobiology and Glycoprotein Analysis	3 SH
CHME 5630 Biochemical Engineering	4 SH

YEAR 1, SPRING SEMESTER

CHEM 5620 Protein Chemistry	3 SH
CHEM 5660 Analytical Biochemistry	3 SH
Business elective	3 SH

YEAR 1, SUMMER FULL SEMESTER

CHEM 5570 Regulatory Science Applications Laboratory	4 SH

YEAR 2, FALL SEMESTER

BIOT 5330 Drug Safety and Immunogenicity	3 SH
Business elective	3 SH
Science elective	3 SH

GENERAL REQUIREMENTS

BIOT 6411 Biotechnology Co-op Reflection Seminar	1 SH
BIOT 6964 Co-op Work Experience	0 SH

MS in Health Informatics

REQUIRED CORE COURSES

HINF 5101 Introduction to Health Informatics and Health Information Systems	3 SH
HINF 5105 The American Health-Care System	3 SH

HEALTH INFORMATICS CORE

6 semester hours required

Complete two of the following courses:

HINF 6202 Business of Health-Care Informatics	3SH
HINF 6205 Creation and Application of Medical Knowledge	3 SH
HINF 6225 Health Systems Lab	3 SH

TECHNICAL CORE

6 semester hours required

Complete two of the following courses:

HINF 5102 Data Management in Health Care	3 SH
HINF 6220 Database Design, Access, Modeling, and Security	3 SH
HINF 6230 Strategic Topics in Programming for Health Professionals	3 SH
HINF 6355 Key Standards in Health Informatics Systems	3 SH

BUSINESS MANAGEMENT CORE

6 semester hours required

Complete two of the following courses:

HINF 6201 Organizational Behavior, Work Flow Design, and Change Management	3 SH
HINF 6215 Project Managent	3 SH
HINF 6335 Management Issues in Health-Care Information Technology	3 SH

ELECTIVES

6 semester hours required

Complete two of the following courses:

HINF 6325 Legal and Social Issues in Health Informatics	3 SH
HINF 6330 Emerging Technologies in Health Care	3 SH
HINF 6345 Design for Usability in Health Care	3 SH
HINF 6350 Public Health Surveillance and Informatics	3 SH

Note: Electives can be chosen from the elective group or from additional courses in core groups, giving students the chance to focus in particular areas in-depth while maintaining a broad base of knowledge.

PhD in Personal Health Informatics

See College of Computer and Information Science, page 65, for curriculum information.

College of Professional Studies

JOHN LABRIE, EDD, *Dean of the College of Professional Studies and Vice President of Professional Education*

John Caron, EdD, *Senior Associate Dean of Faculty and Academic Affairs*
Kelly Otter, PhD, *Associate Dean of Graduate Academic and Faculty Affairs*

Office: 50 Nightingale Hall
Phone: 877.668.7727, 617.373.2400

Master's Degree Admission Requirements

Please note that all master's degrees offered through the College of Professional Studies (CPS) have the following admission requirements:

- Online application
- Statement of purpose (500–1,000 words)
- Professional résumé
- Official undergraduate transcripts
- Two letters of recommendation
- English-language proficiency proof (for non-native English-language speakers)
  - Official associate or bachelor's degree transcripts
  - TOEFL, IELTS, or TOEIC scores

ACCOUNTING

Graduate Certificate in Forensic Accounting

PROGRAM OBJECTIVES

News surrounding corporate corruption has had a significant impact on businesses, particularly the accounting industry. In response, the government has enacted sweeping accounting and business laws such as the Sarbanes-Oxley 2002 legislation. Additionally, many professional organizations, including the American Institute of Certified Public Accountants (AICPA) and the Association of Certified Fraud Examiners (ACFE), have made the prevention, detection, and prosecution of fraud and accounting abuse a priority. This four-course graduate certificate in forensic accounting is designed to help students apply techniques in identifying, collecting, and examining evidence, including how to identify financial statement misrepresentation, transaction reconstruction, and tax evasion.

Note: Effective August 1, 2011, courses from this certificate may not be applied toward the Master of Science in Leadership.

CREDIT REQUIREMENT

16 quarter hours required

GENERAL REQUIREMENTS

Courses should be taken in the sequence below:

ACC 6210 Forensic Accounting Principles	4 QH
ACC 6220 Dissecting Financial Statements	4 QH
ACC 6230 Investigative Accounting and Fraud Examination	4 QH
ACC 6240 Litigation Support	4 QH

<div style="background:red;color:white;">APPLIED NUTRITION</div>

Master of Science in Applied Nutrition

This applied nutrition master's degree offers you the opportunity to build upon your clinical knowledge and concentrate in one of four specialty areas.

Increased attention on disease prevention through better dietary habits has heightened the demand for skilled nutrition professionals. In response, the CPS has developed the Master of Science in Applied Nutrition. Designed to build on your existing knowledge, this advanced program is open to individuals who hold undergraduate degrees in health science, dietetics, or a related area.

Led by real-world practitioners, including dietitians, an exercise scientist, and a clinical psychologist, this innovative nutrition degree seeks to provide you with a solid grounding in nutrition, metabolism, disease prevention, health promotion, and clinical behavior. Complementing the core nutrition courses is the college's renowned nutrition practicum that allows you to work directly with registered dietitians, fitness specialists, as well as other health professionals.

Further differentiating this master's degree in nutrition is the option to choose from four degree concentrations: obesity and eating disorders, nutrition education, nutrition and fitness, and business and entrepreneurship in nutrition. This degree program seeks to give you the knowledge and skills you need to succeed in the field of nutrition.

PROGRAM OBJECTIVES

By taking part in this highly focused nutrition degree program, you have an opportunity to increase your knowledge and aptitude through:

• Translating theory and current research into practice
• Examining the metabolism, physiological actions, and interrelationships of carbohydrates, protein, fats, vitamins, minerals, and water
• Exploring the application of nutrition principles in the treatment and prevention of diseases
• Studying varying techniques and methods used in nutritional research
• Investigating theories to facilitate the adoption of healthy behaviors
• Recognizing the complex factors that influence nutritional practices

CREDIT REQUIREMENT

40 quarter hours required

CORE COURSES

24 quarter hours required
Complete the following courses:

NTR 6100 Advanced Nutrition and Metabolism	4 QH
NTR 6110 Medical Nutrition Therapy	4 QH
NTR 6112 Research Methods in Nutrition	4 QH
NTR 6115 Health Promotion/Disease Prevention	4 QH
NTR 6118 Clinical Health Behavior Change	4 QH
NTR 7980 Capstone	1 to 4 QH

CONCENTRATIONS COURSES

16–17 quarter hours required

Concentration in Business and Entrepreneurship in Nutrition

16 quarter hours required

REQUIRED COURSES
Complete the following courses:

CMN 6120 Communicating to and with the Media	3 QH
MKT 6030 E-Marketing Solutions	4 QH
NTR 6155 Nutrition Entrepreneurship	3 QH
NTR 6966 Practicum	1 to 4 QH

ELECTIVE
Complete one of the following courses:

NPM 6120 Financial Management for Nonprofit Organizations	3 QH
PJM 6020 Project Cost and Budget Management	3 QH

Concentration in Nutrition Education

17 quarter hours required

REQUIRED COURSES
Complete the following courses:

CMN 6010 Foundations of Organizational Communication	3 to 6 QH
EDU 6064 Curriculum and Assessment	4 QH
EDU 6211 New Directions for Adult Learning	3 QH
EDU 6240 Instructional Technology	4 QH
NTR 6966 Practicum	1 to 4 QH

Concentration in Nutrition and Fitness

16 quarter hours required

REQUIRED COURSES
Complete the following courses:

NTR 6148 Exercise Physiology	3 QH
NTR 6150 Sports Psychology	3 QH
NTR 6966 Practicum	1 to 4 QH
NTR 7147 Sports and Fitness Nutrition	4 QH

ELECTIVE
Complete one course from any other concentration listing or from any of the following courses:

LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6400 Sports Management	3 QH
LDR 6405 Sport in Society	3 QH
LDR 6410 Leadership and Organization in Sport	3 QH

Concentration in Obesity and Eating Disorders

16 quarter hours required

REQUIRED COURSES
Complete the following courses:

NTR 6966 Practicum	1 to 4 QH
NTR 7130 Overweight and Obesity 1	4 QH
NTR 7132 Overweight and Obesity 2	4 QH
NTR 7135 Eating Disorders in Children and Adults	4 QH

Master of Science in Commerce and Economic Development

Globalization has created a borderless economy with a host of new opportunities and challenges for those engaged in commerce and economic development. While global markets offer exciting growth prospects, navigating the world stage requires in-depth knowledge of the financial, regulatory, and economic environments and institutions that affect the global economy and international trade. To meet the need for both insight and skills development, Northeastern University's College of Professional Studies—in collaboration with Northeastern University's College of Social Sciences and Humanities—offers the online Master of Science in Commerce and Economic Development.

This graduate-level program integrates economics, leadership, institutional organization, technology, and public policy into a unique and focused educational experience designed to help guide and advance a rewarding career in the private or public sectors.

PROGRAM OBJECTIVES

By taking part in this highly focused degree program, you have an opportunity to increase your knowledge and aptitude through:

- Translating economic theory and classroom materials into core competencies
- Applying quantitative skills in the areas of economics, economic theory, policy analysis, and research
- Learning to set prices and output levels
- Using conceptual and mathematical tools to examine fluctuations in employment, prices, and economic growth
- Developing skills in data collection, estimation, and results interpretation
- Applying theories of economic growth, technology, structural changes, industrialization, factor proportions and prices, trade, population, and income distribution
- Evaluating labor markets and the role of human capital
- Assessing how art, culture, and entertainment impact economic development
- Analyzing the impact of environmental resources on commerce and economic development

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

25 quarter hours required

Complete the following courses:

CED 6010 Applied Microeconomic Theory	4 QH
CED 6020 Applied Macroeconomic Theory	4 QH
CED 6030 Applied Mathematics and Statistics for Economics	4 QH
CED 6040 Applied Econometrics	4 QH
CED 6050 Economic Development Theory—Convergence and Competing Theories	4 QH
CED 6910 Capstone: Master's Project	5 QH

ELECTIVE COURSES

20 quarter hours required

Complete five of the following courses:

CED 6070 Economics of Human Capital	4 QH
CED 6080 Commerce, Institutions, and Innovation	4 QH
CED 6090 Cultural Economic Development	4 QH
CED 6110 Law and Economics	4 QH
CED 6120 Environmental Economics	4 QH
CED 6130 Sustainable Economic Development	4 QH
CED 6140 Economics of E-Commerce	4 QH
CED 6910 Capstone: Master's Project	5 QH

CONSTRUCTION MANAGEMENT

Graduate Certificate in Construction Management

PROGRAM OBJECTIVES

In the last ten to twenty years, construction in both the public and private sector has become increasingly complex, requiring construction and project managers to have a stronger skill base to be successful in acquiring and executing projects.

The Construction Management Graduate Certificate is intended to serve owners' representatives, consulting engineers, architects, design engineers, contractors, and subcontractors. Individuals who have a Bachelor of Science, but not necessarily in construction, and who have been identified by their companies as having high potential for advancement are also good candidates for the program.

Courses from this certificate may be applied toward the Master of Science in Project Management.

CREDIT REQUIREMENT

16 quarter hours required

GENERAL REQUIREMENTS

Complete the following courses:

CMG 6400 Introduction to Construction Management	4 QH
CMG 6402 Alternative Project Delivery Methods and Project Controls	4 QH
CMG 6403 Safety, Project Risk, and Quality Management	4 QH
CMG 6405 Construction Law	4 QH

CRIMINAL JUSTICE

Master of Science in Criminal Justice Leadership

Criminal justice and security agencies are under increased scrutiny—challenged to provide efficient and effective services; be transparent in their interactions with the public; and respond to changing local, national, and world conditions. To be successful, justice system leaders need to think strategically, communicate locally, and act ethically while developing comprehensive (and often multijurisdictional) solutions to crime and terrorism problems.

In response, Northeastern University's College of Professional Studies—in collaboration with the School of Criminology and Criminal Justice—offers the Master of Science in Criminal Justice Leadership. This innovative online master's degree provides a path to excellence for leaders in law enforcement, courts, private security, and corrections organizations. Academically distinctive graduate courses in this program emphasize leadership, communication, and ethics— themes that are designed to enhance your leadership capacity and improve your career prospects.

PROGRAM OBJECTIVES

- Gain a better understanding of the increasingly complex criminal justice environment.
- Understand the short- and long-term benefits of ethical decision making.
- Identify and apply leadership theories and practices that contribute to the commitment of an effective, efficient, and equitable administration of public safety.
- Build a personal model of leadership that can be put into action in the workplace.
- Evaluate major substantive topics and criminal behavior trends, including street violence, gangs, guns, drugs, human trafficking, terrorism, and cyber crime.
- Examine current and emerging anticrime strategies such as community policing, intelligence-led policing, and multijurisdictional intelligence fusion operations.
- Discover how technology can be utilized to prevent and respond to criminal activity.

CREDIT REQUIREMENT

45 quarter hours required

FOUNDATION COURSES

18 quarter hours required

Complete all of the following courses:

CJS 6400 The Justice Seminar	3 QH
CJS 6405 Criminological Theory for Criminal Justice Leaders	3 QH
CJS 6415 Legal Decision Making and Leadership	3 QH
CJS 6420 U.S. Policing in the Twenty-First Century	3 QH
CJS 6470 Criminal Justice Capstone	3 QH
LDR 6100 Developing Your Leadership Capability	3 to 6 QH

OPERATIONS COURSES

12 quarter hours required

Complete a minimum of four courses:

CJS 6205 Law Enforcement Management and Planning	3 QH
CJS 6425 Research Methods	3 QH
CJS 6435 Managing and Using Program Evaluations	3 QH
CJS 6440 GIS, Evidence-Based Learning, and Policy	3 QH
NPM 6120 Financial Management for Nonprofit Organizations	3 QH

CONCENTRATIONS COURSES

15 quarter hours required

Choose one of the following concentrations or complete a minimum of five courses from any of the following concentrations:

Community and Family Justice Concentration

Complete five of the following courses:

CJS 6050 Models of Intelligence-Led Policing	3 QH
CJS 6135 Intimate Partner Violence	3 QH
CJS 6300 Communities and Crime	3 QH
CJS 6305 Criminal Behavior and the Family	3 QH
CJS 6330 Youth Justice and Crime	3 QH
CJS 6340 Substance Abuse and Addictions	3 QH

Corrections Management Concentration

Complete five of the following courses:

CJS 6145 Correctional Rehabilitation	3 QH
CJS 6300 Communities and Crime	3 QH
CJS 6315 Administration of the Adult and Juvenile Correction Systems	3 QH
CJS 6320 Community Corrections	3 QH
CJS 6325 Probate and Parole	3 QH
CJS 6330 Youth Justice and Crime	3 QH

Leadership Concentration

Complete all of the following courses:

LDR 6110 Leading Teams	3 to 6 QH
LDR 6120 Creating Leadership Capacity: Developing Bench Strength	3 to 6 QH
LDR 6125 Managing Organizational Culture	3 QH
LDR 6140 Developing the Strategic Leader	3 to 6 QH
LDR 6360 Dynamics of Change at the Community and Social Level	3 QH

Security Concentration

Complete five of the following courses:

CJS 6000 Management for Security Professionals	3 QH
CJS 6005 Legal and Regulatory Issues for Security Management	3 QH
CJS 6010 Advanced Principles of Security Management and Threat Assessment	3 QH
CJS 6105 Domestic and International Terrorism	3 QH
CJS 6125 Issues in National Security	3 QH
CJS 6430 Risk Management	3 QH
CMN 6050 Crisis Communication	3 to 6 QH

DIGITAL MEDIA

Graduate Certificate in 3-D Animation

3-D animation is not only a major component in the film and broadcast industries, it is also a crucial element in online entertainment and a driving force for the gaming industry. Companies use animation in advertisements, websites, and training programs. The growing use of gaming technologies in education and industry (often referred to as Serious Games) has given rise to a need for skilled animators who can work closely with business and academic institutions.

The Graduate Certificate in 3-D Animation offers a practice-oriented approach to the art and science of animation, with a particular emphasis on the special requirements of 3-D modeling and animating for the gaming industry. Course work is designed to develop students' powers of visualization as well as provide a conceptual basis for visual narrative. The program seeks to produce graduates who are skilled in the use of industry-standard animation applications; understand visual principles of lighting, modeling, and surfacing; and are conversant with motion and special effects compositing.

CREDIT REQUIREMENT

22 quarter hours required

REQUIRED CORE COURSE

4 quarter hours required

Complete the following course:

DGM 6105* Visual Communications Foundation	4 QH

Note: For students with a portfolio waiver, DGM 6450 Animation Basics (4 QH) is the core course.

GENERAL REQUIREMENTS

18 quarter hours required

Complete the following courses:

DGM 6122 Foundations of Digital Storytelling	4 QH
DGM 6510 3-D Modeling	4 QH
DGM 6530 Character Animation	4 QH
DGM 6540 Compositing	4 QH
DGM 6882 Animation Reel	1 to 4 QH

Graduate Certificate in Digital Photography

PROGRAM OBJECTIVES

The Graduate Certificate in Digital Photography is ideal for those currently in the field as well as those not in the field who want to learn to create professional-quality photographs. The certificate curriculum is designed to train students to record, interpret, and process surroundings in a fast-changing world. Additionally, students have an opportunity to gain experience in editing, manipulating, and managing high-quality still imagery using state-of-the-art labs and various capture tools, color management plans, and image manipulation plug-ins. Creativity and experimentation are not only encouraged but required. The digital imaging

capstone course includes a final thesis designed to improve and extend students' professional portfolios.

The courses in this program also serve as a concentration in the Master of Professional Studies in Digital Media.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED CORE COURSE

4 quarter hours required

Complete the following course:

DGM 6105 Visual Communications Foundation	4 QH

GENERAL REQUIREMENTS

14 quarter hours required

Complete the following courses:

DGM 6300 Digital Capture and Output	4 QH
DGM 6302 Work Flow in Digital Imaging	4 QH
DGM 6307 Creative Approaches to Still Digital Imaging	4 QH
DGM 6880 Portfolio	2 QH

Graduate Certificate in Digital Video

PROGRAM OBJECTIVES

With the quality and ease-of-use of digital video camcorders, anyone can capture moving images, but the result is like a Stradivarius violin: it takes training to make music. The Graduate Certificate in Digital Video is a hands-on introduction to digital video technologies, as well as an examination of the social, cultural, and political implications of moving-image production in the digital age. Students have an opportunity to gain competency in digital production and postproduction while exploring various formal, conceptual, and structural strategies. Students will also have an opportunity to learn to generate digital video that communicates effectively and inventively, in preparation for positions in the creative industries of gaming, design, and media production.

The courses in this program also serve as a concentration in the Master of Professional Studies in Digital Media.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED CORE COURSES

10 quarter hours required

Complete the following courses:

DGM 6105 Visual Communications Foundation	4 QH
DGM 6122 Foundations of Digital Storytelling	4 QH
DGM 6880 Portfolio	2 QH

ELECTIVE COURSES

8 quarter hours required

Complete two of the following courses:

DGM 6435 Digital Video Production	4 QH
DGM 6440 Editing in the Digital Studio	4 QH
DGM 6520 Lighting for the Camera	4 QH

Graduate Certificate in Game Design

PROGRAM OBJECTIVES

Game design is one of the fastest-growing fields in entertainment, business, and education. From health care to political science, companies use games to educate their constituents and enhance employee skills.

The Graduate Certificate in Game Design offers a practice-oriented approach to the art and science of game making. The program emphasizes visual design and programming for video games and fosters conceptual understanding of the principles of game design for all varieties of games—from educational board games to iPhone games.

Courses in this program also serve as a concentration in the Master of Professional Studies in Digital Media.

CREDIT REQUIREMENT

20 quarter hours required

REQUIRED CORE COURSES

16 quarter hours required

Complete the following courses:

DGM 6122 Foundations of Digital Storytelling	4 QH
DGM 6308 Intermediate Programming for Digital Media	4 QH
DGM 6400 Game Design Fundamentals	4 QH
DGM 6405 Game Development	4 QH

ELECTIVE COURSES

4 quarter hours required

Complete one of the following courses:

DGM 6408 Game Design Algorithms and Data Structures	4 QH
DGM 6410 Game Design Technology Lab	4 QH

Graduate Certificate in Interactive Design

PROGRAM OBJECTIVES

Digital media plays an increasingly significant role in the global culture and economy. The Graduate Certificate in Interactive Design offers an overview of courses in the creative process of storytelling and communicating through visuals and sound. Students have an opportunity to gain expertise in time-based design and interface and experience design through a practice-oriented problem-solving approach.

The courses in this program also serve as a concentration in the Master of Professional Studies in Digital Media.

CREDIT REQUIREMENT

22 quarter hours required

REQUIRED CORE COURSES

Complete the following courses:

DGM 6105 Visual Communications Foundation	4 QH
DGM 6108 Programming Foundations for Digital Media	4 QH
DGM 6168 Usability and Human Interaction	4 QH
DGM 6217 Typography for Interactivity	4 QH
DGM 6461 Interactive Information Design 1	4 QH
DGM 6880 Portfolio	2 QH

Master of Professional Studies in Digital Media

New innovations, breakthrough technologies, and changing consumer habits are redefining the media landscape—fueling demand for media professionals who can apply the latest tools and techniques to create compelling digital content.

In response, the Master of Professional Studies in Digital Media provides state-of-the-art digital media courses in moving image, information design, and narrative structure—elements that are critical to producing and developing content-rich and interactive experiences. Complementing the degree's core curriculum are six distinctive concentrations in 3-D animation, game design, interactive design, digital photography, digital video, or digital media management.

Differentiating this digital media master's degree is its cohort format, a team-based structure that allows you to complete your degree with the same group of students. Designed to strengthen your project management and leadership skills, cohorts enable you to collaborate with your colleagues on complex, multimedia projects, preparing you to excel in an increasingly digital world.

PROGRAM OBJECTIVES

- Improve your understanding of visual language concepts and systems.
- Examine the fundamentals of multimedia programming.
- Study character and story development across a variety of digital media.
- Explore the basics of sound design.
- Evaluate the concepts of sequencing, transformation, and motion through time and space.
- Become more familiar with video, 2-D, and other non-computer-based animation, motion graphics, and sound design techniques.

CREDIT REQUIREMENT

49 quarter hours required

REQUIRED CORE COURSES

33 quarter hours required
Complete the following courses:

DGM 6105 Visual Communications Foundation	4 QH
DGM 6108* Programming Foundations for Digital Media	4 QH
DGM 6122 Foundations of Digital Storytelling	4 QH
DGM 6125 Time-Based Media	4 QH
DGM 6140 Sound Design	4 QH
DGM 6145 Information Technology and Creative Practice	4 QH
DGM 6501 Web Creation Boot Camp	2 QH
DGM 6511 Web Creation Boot Camp 2	2 QH
DGM 6890 Thesis Proposal Development	1 to 2 QH
DGM 7990 Thesis	3 to 6 QH

*Note: Students with sufficient programming experience may request a waiver to substitute the required course DGM 6108 Program Foundations for Digital Media with DGM 6308 Intermediate Programming for Digital Media.

CONCENTRATIONS COURSES

16 quarter hours required
Choose one of the following concentrations:

3-D Animation Concentration

DGM 6450 Animation Basics	4 QH
DGM 6510 3-D Modeling	4 QH
DGM 6530 Character Animation	4 QH
DGM 6540 Compositing	4 QH

Digital Media Management Concentration

Complete at least 16 quarter hours from the following courses:

DGM 6230 Digital Media Entrepreneurship	4 QH
DGM 6280 Managing for Digital Media	4 QH
DGM 6285 Interactive Marketing Fundamentals	4 QH
DGM 6290 Social Media and Brand Strategy Implementation	4 QH
ITC 6010 Information Technology Strategy and Governance	3 QH
LDR 6110 Leading Teams	3 to 6 QH
PJM 5900 Foundations of Project Management	3 QH

Digital Photography Concentration

Complete four of the following courses:

DGM 6300 Digital Capture and Output	4 QH
DGM 6302 Work Flow in Digital Imaging	4 QH
DGM 6305 Color Management in Still Digital Imaging	4 QH
DGM 6307 Creative Approaches to Still Digital Imaging	4 QH
DGM 6520 Lighting for the Camera	4 QH

Digital Video Concentration

Complete four of the following courses:

DGM 6430 Screenwriting: Linear and Interactive	4 QH
DGM 6435 Digital Video Production	4 QH
DGM 6440 Editing in the Digital Studio	4 QH
DGM 6456 Media Content Delivery	4 QH
DGM 6520 Lighting for the Camera	4 QH

Game Design Concentration

DGM 6400 Game Design Fundamentals	4 QH
DGM 6405 Game Development	4 QH
DGM 6408 Game Design Algorithms and Data Structures	4 QH
DGM 6410 Game Design Technology Lab	4 QH

Interactive Design Concentration

REQUIRED COURSES

DGM 6168 Usability and Human Interaction	4 QH
DGM 6217 Typography for Interactivity	4 QH
DGM 6461 Interactive Information Design 1	4 QH

ELECTIVES
Complete one of the following courses:

DGM 6308 Intermediate Programming for Digital Media	4 QH
DGM 6451 Web Development	4 QH
DGM 6463 Interactive Information Design 2	4 QH

WORKSHOPS

Optional digital media workshops are designed to provide valuable technical skills and tools for students in all graduate degree programs. Students may choose one of the following workshops:

DGM 6500 Working with Digital Images	2 QH
DGM 6501 Web Creation Boot Camp	2 QH
DGM 6502 Working with Sound	2 QH
DGM 6503 Flash Intensive	2 QH
DGM 6504 ActionScript (Intensive)	2 QH
DGM 6505 Modeling and Rendering (Intensive)	2 QH
DGM 6506 Introduction to Digital Video	2 QH
DGM 6507 Illustrator Intensive	2 QH
DGM 6508 Game Development Intensive	2 QH
DGM 6509 Integrated Suite Workshop	2 QH
DGM 6511 Web Creation Boot Camp 2	2 QH
DGM 6513 Single-Lens Reflex Camera Workshop	2 QH
DGM 6515 Introduction to After Effects	2 QH
DGM 6531 Rigging Workshop	2 QH

Graduate Certificate in Adult and Organizational Learning

PROGRAM OBJECTIVES

From globalization to technology, economic volatility to talent management, there is an increasing need to educate today's workforce for competitive advantage. To meet these needs, trainers, executive development professionals, human resource managers, and educators must stay current in adult and organizational learning.

The Graduate Certificate in Adult and Organizational Learning is designed to provide participants with foundational knowledge in adult learning, needs assessment, and program review. Students have an opportunity to gain expertise and understanding of the methods and models available for instruction, delivery channels, and overall program development.

CREDIT REQUIREMENT

16 quarter hours required

REQUIRED CORE COURSES

9 quarter hours required
Complete three of the following courses:

EDU 6211 New Directions for Adult Learning	3 QH
EDU 6212 Needs and Competencies Assessment	3 QH
EDU 6213 Curriculum and Program Development	3 QH
EDU 6214 Facilitation and Instruction	3 QH
EDU 6230 Program Evaluation and Assessment	4 QH

GENERAL REQUIREMENTS

Technology-Mediated Learning Courses
Complete one of the following courses:

EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH

Globalization Courses
Complete one of the following courses:

EDU 6445 Internationalization at Home: Concept and Application	4 QH
GST 6410 Global Focus: Education and Information Technology	4 QH

Graduate Certificate in Distance Learning

PROGRAM OBJECTIVES

Distance learning is the fastest-growing area of postsecondary education in the United States. In order to meet the expanding need for qualified instructors and professionals, the CPS created the online Graduate Certificate in Distance Learning.

The curriculum is based on cutting-edge distance education techniques, recognized best practices, and proven methodologies, as applied by Northeastern University and other leading institutions. Focused on emerging trends in distance learning and

hands-on instruction, this online certificate offers educators the opportunity to achieve excellence in distance learning administration and instruction.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED CORE COURSES

12 quarter hours required
Complete the following courses:

EDU 6211 New Directions for Adult Learning	3 QH
EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH
EDU 6327 Innovative Management of Distance Learning Program	3 QH

ELECTIVE COURSES

6 quarter hours required
Complete two of the following courses:

EDU 6407 Essentials of Multimedia for Distance Learning	3 QH
EDU 6408 Evaluation and Assessment for Distance Learning	3 QH
EDU 6409 Legal and Intellectual Property Issues for Distance Learning	3 QH

Graduate Certificate in Higher Education Administration

PROGRAM OBJECTIVES

The effective administration of higher education institutions has never been so critical than at this time. Consider:

- The president of the United States of America and the secretary of education are calling for access to higher education for all.
- European and Asian universities are ascending in quality, increasing as market forces.
- The electronic delivery of education is escalating, creating new pedagogy and delivery models.

To meet these challenges, as well as changing demographics, financial concerns, and legal and policy requirements, administrators and leaders in higher education need to be increasingly sophisticated and knowledgeable.

The Graduate Certificate in Higher Education Administration is designed to provide participants with an overall understanding of managerial concepts as well as the operational and strategic concepts that lead to effective administration. This program is best suited for individuals seeking mid- to senior-level administrative roles and individuals interested in transitioning from industry and other organizations into academia.

The certificate comprises 16 quarter hours, which may be applied toward the Master of Education in Higher Education Administration.

CREDIT REQUIREMENT

16 quarter hours required

REQUIRED CORE COURSES

9 quarter hours required
Complete three of the following courses:

EDU 6200 Management of Higher Education Institutions	3 QH
EDU 6210 Faculty: Evolving Roles	3 QH
EDU 6215 Higher Education Law	3 QH
EDU 6220 Retention and Enrollment Strategies	3 QH

Technology-Mediated Learning Courses

Complete one of the following courses:

EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH

Globalization Courses

Complete one of the following courses:

EDU 6445 Internationalization at Home: Concept and Application	4 QH
GST 6410 Global Focus: Education and Information Technology	4 QH

Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)

PROGRAM OBJECTIVES

With an increasingly global society comes an increasing need for a common understanding of English as the language of commerce and its relationship to other global languages.

This program in Teaching English to Speakers of Other Languages (TESOL) seeks to provide graduate students with a solid foundation in the English language and offers strategies firmly grounded in research, theory, and practice to teach ESL/EFL (English as a Second Language/English as a Foreign Language) in the United States or teach EFL internationally.

Participants have an opportunity to learn the best practices of ESL/EFL methodology through a combination of lecture, practicum, reflection, observation, and hands-on classroom experience. Whether participants want to teach overseas or work with immigrant populations in the United States, this graduate certificate program seeks to provide them with the combination of theoretical and practical training to teach English to speakers of other languages in international arenas.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED CORE COURSES

14 quarter hours required
Complete the following courses:

EDU 6300 Introduction to Language and Linguistics: How English Is Structured and Used	4 QH
EDU 6302* Teaching, Learning, and Assessment: How English Is Learned and Used	3 QH
EDU 6308 Designing and Managing an ESL/EFL Classroom	3 QH
EDU 6312 TESOL in Practice	4 QH

Note: EDU 6302 is a prerequisite for EDU 6308 and EDU 6312.

ELECTIVE COURSES

Complete one of the following courses:

EDU 6310 Teaching Reading and Writing to ESL/EFL Students	4 QH
EDU 6516 Sheltered English Instruction and Assessment	4 QH
EDU 6534 Bilingualism, Second Language, and Literacy Development	4 QH

Master of Arts in Teaching, Elementary Licensure Curriculum

Designed for aspiring teachers and career changers, the Master of Arts in Teaching in Elementary Education* (MAT) offers an appreciation for and an understanding of the diverse educational needs, social concerns, and cultural values of today's elementary and secondary schools. This graduate degree in teaching seeks to enhance your foundational skills, broaden your perspectives, and strengthen your ability to inspire and educate. The master's degree, which includes a full term of student teaching, seeks to produce graduates well positioned to make a meaningful impact in their school, in their community, and in the lives of their students.
Note: The MAT (grades 1–6) has been approved at the initial licensure level by the Massachusetts Department of Elementary and Secondary Education.

PROGRAM OBJECTIVES

- Gain political, social, and historical perspectives on education.
- Explore the richly complex environments of schools and communities.
- Develop a working understanding of teaching and learning in diverse settings.
- Investigate how humans learn, acquire knowledge, and make sense of their experiences.
- Examine theories of teaching and explore how best to teach for understanding and learning achievement.
- Research methods and materials, pedagogies, and assessment strategies that foster integrated learning.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

36 quarter hours required
Complete the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6086 Foundations of Literacy Development and Instruction	4 QH
EDU 6104 Child and Adolescent Development, Learning, and Teaching	4 QH
EDU 6107 Inclusion, Equity, and Diversity	4 QH
EDU 6154 Inquiry in the Sciences and Humanities	4 QH
EDU 6155 Inquiry in Mathematics	4 QH

EDU 6185 English-Language Learners in the General Education Classroom	4 QH
EDU 6866* Teaching Practicum and Seminar	1 to 8 QH

Note: Students must successfully pass all sections of the Massachusetts Test for Educator Licensure (MTEL) in order to qualify to participate in the practicum course. If you are enrolled in the full-time twelve-month MAT program, we recommend you explore taking the MTEL as soon as possible. Visit www.doe.mass.edu/mtel for more information on the registration and test dates.

ELECTIVE COURSES

9 quarter hours required
Students may complete two elective courses.

Looking to deepen your knowledge and expertise?

The MAT+ offers qualifying students the opportunity to complete a MAT with further study in a selected area of expertise. Currently, students can take additional course work to earn either an additional license in special education (teacher of students of moderate disabilities, PreK–8 or 5–12) or a certificate in Teaching English as a Second Language (TESOL).

MAT+ in Special Education

This Commonwealth of Massachusetts–approved program may be completed with only an additional 10 quarter hours beyond the standard MAT curriculum. Qualifying students must take the seven licensure courses outlined in the MAT curriculum, select qualifying special education courses for the two elective course options (within the MAT curriculum), and complete three additional special education courses.
The special education course requirements are:

Advanced special education course	4 QH
Advanced literacy course	4 QH
Advanced behavior management course	4 QH
Assessment course	4 QH
EDU 6874 Practicum, Portfolio, and Panel Review	0 to 4 QH

MAT+ in TESOL

Changing demographics and changing definitions have created a deficit of teachers who have a strong grounding in English as a second language. To combat this, the School of Education has established the MAT+ TESOL. This program combines research, theory, and technique with real-life observation and classroom experience to prepare K–12 teachers with the skills to meet the challenges of diverse classrooms. Qualifying students must take the seven licensure courses outlined in the MAT curriculum and five additional courses (outlined below). Upon completion of the MAT+ TESOL, instructors will receive a MAT and a graduate certificate in TESOL.
The TESOL course requirements are:

EDU 6300 Introduction to Language and Linguistics: How English Is Structured and Used	4 QH
EDU 6302 Teaching, Learning, and Assessment: How English Is Learned and Used	3 QH

EDU 6516 Sheltered English Instruction and   4 QH
   Assessment
EDU 6534 Bilingualism, Second Language, and   4 QH
   Literacy Development
EDU 6874 Practicum, Portfolio, and Panel Review   0 to 4 QH

The Department of Elementary and Secondary Education requires that all teachers of moderate disabilities pass the Foundations of Reading MTEL. Elementary teachers already have the requirements; secondary teachers will need to add that subtest.

Master of Arts in Teaching, Secondary Licensure Curriculum

PROGRAM OBJECTIVES

Designed for aspiring teachers and career changers, the Master of Arts in Secondary Education* (MAT) offers an appreciation for and an understanding of the diverse educational needs, social concerns, and cultural values of today's secondary schools.

This MAT in secondary education seeks to enhance your foundational skills, broaden your perspectives, and strengthen your ability to inspire and educate. This master's degree, which includes a full term of student teaching, seeks to produce graduates well positioned to make a meaningful impact in their school, in their community, and in the lives of their students.

- Gain political, social, and historical perspectives on education.
- Explore the richly complex environments of schools and communities.
- Develop a working understanding of teaching and learning in diverse settings.
- Investigate how humans learn, acquire knowledge, and make sense of their experiences.
- Examine theories of teaching and explore how best to teach for understanding and learning achievement.
- Research methods and materials, pedagogies, and assessment strategies that foster integrated learning.

Note: The Master of Arts in Secondary Education (grades 8–12) has been approved at the initial licensure level by the Massachusetts Department of Elementary and Secondary Education.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

36 quarter hours required
Complete all of the following courses:
EDU 6051 Race and Ethnicity in Education   4 QH
EDU 6064 Curriculum and Assessment   4 QH
EDU 6104 Child and Adolescent Development,   4 QH
   Learning, and Teaching
EDU 6107 Inclusion, Equity, and Diversity   4 QH
EDU 6162 Language, Culture, and Literacy in Middle   4 QH
   and High Schools
EDU 6185 English-Language Learners in the General   4 QH
   Education Classroom

Complete one of the following courses:
EDU 6122 Teaching the Language Arts   4 QH
EDU 6124 Teaching History and the Social Sciences   4 QH
EDU 6127 Teaching Science   4 QH
EDU 6129 Teaching Mathematics   4 QH
EDU 6130 Teaching Spanish   4 QH
Complete the following course:
EDU 6866* Teaching Practicum and Seminar   1 to 8 QH

Note: Students must successfully pass all sections of the Massachusetts Test for Educator Licensure (MTEL) in order to qualify to participate in the practicum course. If you are enrolled in the full-time twelve-month MAT program, we recommend you explore taking the MTEL as soon as possible. Visit www.doe.mass.edu/mtel for more information on the registration and test dates.

ELECTIVE COURSES

9 quarter hours required
Students may complete two elective courses.

Looking to deepen your knowledge and expertise?
The MAT+ offers qualifying students the opportunity to complete a MAT with further study in a selected area of expertise. Currently, students can take additional course work to earn either an additional license in special education (teacher of students of moderate disabilities, PreK–8 or 5–12) or a certificate in Teaching English as a Second Language (TESOL).

MAT+ in Special Education
This Commonwealth of Massachusetts–approved program may be completed with only an additional 10 quarter hours beyond the standard MAT curriculum. Qualifying students must take the seven licensure courses outlined in the MAT curriculum, select qualifying special education courses for the two elective course options (within the MAT curriculum), and complete three additional special education courses.
The special education course requirements are:
Advanced special education course   4 QH
Advanced literacy course   4 QH
Advanced behavior management course   4 QH
Assessment course   4 QH
EDU 6874 Practicum, Portfolio, and Panel Review   0 to 4 QH

MAT + in TESOL
Changing demographics and changing definitions have created a deficit of teachers who have a strong grounding in English as a second language. To combat this, the School of Education has established the MAT+ TESOL. This program combines research, theory, and technique with real-life observation and classroom experience to prepare K–12 teachers with the skills to meet the challenges of diverse classrooms. Qualifying students must take the seven licensure courses outlined in the MAT curriculum and five additional courses (outlined below). Upon completion of the MAT+ TESOL, instructors will receive a MAT and a graduate certificate in TESOL.

The TESOL course requirements are:

EDU 6300 Introduction to Language and Linguistics: How English Is Structured and Used	4 QH
EDU 6302 Teaching, Learning, and Assessment: How English Is Learned and Used	3 QH
EDU 6516 Sheltered English Instruction and Assessment	4 QH
EDU 6534 Bilingualism, Second Language, and Literacy Development	4 QH
EDU 6874 Practicum, Portfolio, and Panel Review	0 to 4 QH

The Department of Elementary and Secondary Education requires that all teachers of moderate disabilities pass the Foundations of Reading MTEL. Elementary teachers already have the requirements; secondary teachers will need to add that subtest.

Master of Education, Higher Education Administration Concentration

Due to advances in e-learning and increasing student enrollments, the need for capable and effective school administrators has never been greater. In addition to providing solid guidance and direction, they must work to meet the needs of faculty, students, and parents alike. In response, the CPS offers a Master of Education program with a concentration in higher education administration.

This innovative master's degree program explores complex industry issues such as student demographics, financial concerns, legal and policy requirements, technology, and competitive forces.

PROGRAM OBJECTIVES

- Examine the need for new educational models.
- Assess the structure, governance, and operations of institutions of higher education, as well as the roles and functions of various administrative positions and offices.
- Review collaborative approaches to developing and improving curriculum development and delivery.
- Explore the legal issues that impact institutions of higher education, including regulations concerning privacy, reporting, admissions, and financial aid practices.
- Examine real-world case studies to gain a better understanding of institutions' best practices.
- Identify specific strategies and approaches for building inquiry and application pools, improving retention, targeting specific populations, and positioning the institution in the market.
- Analyze the latest trends and technology in distance education.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

15 quarter hours required

Complete the following course:

EDU 6054 Emerging Trends in Education: Redesign, Renewal, and Retention	4 QH

Complete one of the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6055 Sociocultural Context of Learning and Development	4 QH

Complete one of the following courses:

EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH

Complete one of the following courses:

GST 6410 Global Focus: Education and Information Technology	4 QH
EDU 6445 Internationalization at Home: Concept and Application	4 QH

REQUIRED HIGHER EDUCATION ADMINISTRATION SPECIALTY COURSES

16 quarter hours required

Complete all of the following courses:

EDU 6200 Management of Higher Education Institutions	3 QH
EDU 6210 Faculty: Evolving Roles	3 QH
EDU 6215 Higher Education Law	3 QH
EDU 6220 Retention and Enrollment Strategies	3 QH
EDU 6225* Cases in Higher Education Management: Capstone	4 QH

Note: This course should be taken during the last third of your program.

ELECTIVE COURSES

Complete 14 quarter hours from the following courses:

CMN 6060 Negotiation, Mediation, and Facilitation	3 or 6 QH
COP 6940 Personal and Career Development	1 to 4 QH
EDU 6271 Understanding the Financial Landscape of Education	3 QH
EDU 6437 Assessment and Student Learning	4 QH
EDU 6446 Nontraditional Learners: Administrative Implications and Strategies	4 QH
EDU 6465 Critical and Creative Thinking	4 QH
EDU 6520 Learning and the Brain: Translating Research into Practice	4 QH
EDU 6558 Issues in Education	1 QH
HRM 6020 Strategic Recruitment, Training, and Performance Management	3 QH
LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6110 Leading Teams	3 to 6 QH
LDR 6125 Managing Organizational Culture	3 QH

Master of Education, Learning and Instruction Concentration—Overview

As the field of education evolves, today's educators are constantly challenged to be aware of and incorporate best-in-class practices, new technologies, and the latest research and trends within their classrooms. In response, the CPS offers the Master of Education with a Concentration in Learning and Instruction.

Designed for a broad range of educators, this program provides an in-depth look at the critical issues that are

transforming the face of education: technology and distance learning, globalization, creative and critical thinking, assessments, and learning outcomes.

Reflecting the new direction of education, this master's degree program also allows you to choose your area of focus by selecting from degree specializations in math, science, English-language learning, literacy, leadership, and technology.

Whether you are a classroom teacher or an administrator or work in youth development, community education, early childhood, or in a before/aftercare program, you have an opportunity to gain new perspectives and acquire fresh strategies for meeting the needs of today's students. This program seeks to produce graduates empowered to implement new ideas and innovative strategies that are designed to improve educational effectiveness.

PROGRAM OBJECTIVES

- Examine the need for and the complexities surrounding new educational models.
- Gain a better understanding of the twenty-first-century classroom, a heterogeneous community with a wide variety of student strengths, needs, and cultural experiences.
- Explore the philosophical and theoretical foundations of curriculum development and instruction across the disciplines in K–12 classrooms.
- Translate sound curriculum development theory and vision into advocacy and action.
- Understand the influence and implications of technology in education.
- Examine and critique assessment strategies at the classroom, district (K–12), and state levels.
- Discover the ways in which critical and creative thinking can improve learning and instruction.
- Evaluate the impact of globalization on various education systems.
- Apply principles and other instructional pedagogy to meet the needs of students in various settings.

CREDIT REQUIREMENT

45 quarter hours required

Students enrolled within the Master of Education with a concentration in learning and instruction will choose from one of the following focus areas (curriculum is effective for students starting in winter 2012):

Master of Education, Learning and Instruction Concentration— Option 1: Adult and Organizational Learning

REQUIRED CORE COURSES

12 quarter hours required

Complete the following course:

EDU 6054 Emerging Trends in Education: Redesign, Renewal, and Retention	4 QH

Complete one of the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6055 Sociocultural Context of Learning and Development	4 QH

Complete one of the following courses:

EDU 6445 Internationalization at Home: Concept and Application	4 QH
EDU 6450 Critical Scholarly Investigation: Cultural/Regional Perspectives	4 QH
EDU 6452 Critical Scholarly Investigation: On Location	4 QH
GST 6410 Global Focus: Education and Information Technology	4 QH

REQUIRED ADULT AND ORGANIZATIONAL LEARNING SPECIALITY COURSES

16 quarter hours required

Complete the following courses:

EDU 6211 New Directions for Adult Learning	3 QH
EDU 6212 Needs and Competencies Assessment	3 QH
EDU 6213 Curriculum and Program Development	3 QH
EDU 6214 Facilitation and Instruction	3 QH
EDU 6230* Program Evaluation and Assessment	4 QH

Note: This course should be taken during the last third of your program.

ELECTIVE COURSES

17 quarter hours required

Choose from the following courses:

CMN 6060 Negotiation, Mediation, and Facilitation	3 or 6 QH
EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH
EDU 6327 Innovative Management of Distance Learning Program	3 QH
EDU 6408 Evaluation and Assessment for Distance Learning	3 QH
EDU 6465 Critical and Creative Thinking	4 QH
EDU 6520 Learning and the Brain: Translating Research into Practice	4 QH
EDU 6558 Issues in Education	1 QH
NPM 6120 Financial Management for Nonprofit Organizations	3 QH

Master of Education, Learning and Instruction Concentration— Option 2: Education Leadership

REQUIRED CORE COURSES

23 quarter hours required

Complete the following course:

EDU 6054 Emerging Trends in Education: Redesign, Renewal, and Retention	4 QH

Complete one of the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6055 Sociocultural Context of Learning and Development	4 QH

Complete both of the following courses:

EDU 6436 Best Practices for the Twenty-First-Century Education	4 QH
EDU 6438* Teachers as Curriculum Leaders	4 QH

Note: This course should be taken during the last third of your program.

Complete one of the following courses:

EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH

Complete one of the following courses:

EDU 6445 Internationalization at Home: Concept and Application	4 QH
EDU 6450 Critical Scholarly Investigation: Cultural/Regional Perspectives	4 QH
EDU 6452 Critical Scholarly Investigation: On Location	4 QH
GST 6410 Global Focus: Education and Information Technology	4 QH

ELECTIVE COURSES

22 quarter hours required

Choose from the following courses:

CMN 6060 Negotiation, Mediation, and Facilitation	3 or 6 QH
EDU 6431 Developing Skills and Accessing Ideas: Curriculum	4 QH
EDU 6437 Assessment and Student Learning	4 QH
EDU 6465 Critical and Creative Thinking	4 QH
EDU 6520 Learning and the Brain: Translating Research into Practice	4 QH
EDU 6558 Issues in Education	1 QH
HRM 6020 Strategic Recruitment, Training, and Performance Management	3 QH
LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6110 Leading Teams	3 to 6 QH
LDR 6125 Managing Organizational Culture	3 QH

Master of Education, Learning and Instruction Concentration— Option 3: Education Literacy

REQUIRED CORE COURSES

23 quarter hours required

Complete the following course:

EDU 6054 Emerging Trends in Education: Redesign, Renewal, and Retention	4 QH

Complete one of the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6055 Sociocultural Context of Learning and Development	4 QH

Complete both of the following courses:

EDU 6436 Best Practices for the Twenty-First-Century Education	4 QH
EDU 6438* Teachers as Curriculum Leaders	4 QH

Note: This course should be taken during the last third of your program.

Complete one of the following courses:

EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH

Complete one of the following courses:

EDU 6445 Internationalization at Home: Concept and Application	4 QH
EDU 6450 Critical Scholarly Investigation: Cultural/Regional Perspectives	4 QH
EDU 6452 Critical Scholarly Investigation: On Location	4 QH
GST 6410 Global Focus: Education and Information Technology	4 QH

ELECTIVE COURSES

22 quarter hours required

Choose from the following courses:

EDU 6086 Foundations of Literacy Development and Instruction	4 QH
EDU 6302 Teaching, Learning, and Assessment: How English Is Learned and Used	3 QH
EDU 6426 Developmental Language, Literacy, and Writing: Assessment and Instruction	4 QH
EDU 6437 Assessment and Student Learning	4 QH
EDU 6465 Critical and Creative Thinking	4 QH
EDU 6481 Inquiry in Reading and Writing across the Content Area	4 QH
EDU 6520 Learning and the Brain: Translating Research into Practice	4 QH
EDU 6534 Bilingualism, Second Language, and Literacy Development	4 QH
EDU 6558 Issues in Education	1 QH
EDU 6570 Advanced Strategies in Literacy: Readers and Writers Who Struggle	4 QH
LDR 6110 Leading Teams	3 to 6 QH

Master of Education, Learning and Instruction Concentration— Option 4: Technology

REQUIRED CORE COURSES

20 quarter hours required

Complete the following course:

EDU 6054 Emerging Trends in Education: Redesign, Renewal, and Retention	4 QH

Complete one of the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6055 Sociocultural Context of Learning and Development	4 QH

Complete both of the following courses:

EDU 6436 Best Practices for the Twenty-First-Century Education	4 QH
EDU 6438* Teachers as Curriculum Leaders	4 QH

Note: This course should be taken during the last third of your program.

Complete one of the following courses:

EDU 6445 Internationalization at Home: Concept and Application	4 QH
EDU 6450 Critical Scholarly Investigation: Cultural/Regional Perspectives	4 QH
EDU 6452 Critical Scholarly Investigation: On Location	4 QH
GST 6410 Global Focus: Education and Information Technology	4 QH

ELECTIVE COURSES

25 quarter hours required

Choose from the following courses:

EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH
EDU 6327 Innovative Management of Distance Learning Program	3 QH
EDU 6408 Evaluation and Assessment for Distance Learning	3 QH
EDU 6409 Legal and Intellectual Property Issues for Distance Learning	3 QH
EDU 6431 Developing Skills and Accessing Ideas: Curriculum	4 QH
EDU 6437 Assessment and Student Learning	4 QH
EDU 6465 Critical and Creative Thinking	4 QH
EDU 6520 Learning and the Brain: Translating Research into Practice	4 QH
EDU 6558 Issues in Education	1 QH
EDU 6646 Establishing a Student Support Framework	3 QH

Master of Education, Learning and Instruction Concentration— Option 5: English-Language Learners**

Note: This area of focus is not available at the Charlotte, North Carolina, campus at this time.

REQUIRED CORE COURSES

23 quarter hours required

Complete the following course:

EDU 6054 Emerging Trends in Education: Redesign, Renewal, and Retention	4 QH

Complete one of the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6055 Sociocultural Context of Learning and Development	4 QH

Complete both of the following courses:

EDU 6436 Best Practices for the Twenty-First-Century Education	4 QH
EDU 6438* Teachers as Curriculum Leaders	4 QH

Note: This course should be taken during the last third of your program.

Complete one of the following courses:

EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH

Complete one of the following courses:

EDU 6445 Internationalization at Home: Concept and Application	4 QH
EDU 6450 Critical Scholarly Investigation: Cultural/Regional Perspectives	4 QH
EDU 6452 Critical Scholarly Investigation: On Location	4 QH
GST 6410 Global Focus: Education and Information Technology	4 QH

ELECTIVE COURSES

22 quarter hours required

Choose from the following courses:

EDU 6185 English-Language Learners in the General Education Classroom	4 QH
EDU 6300 Introduction to Language and Linguistics: How English Is Structured and Used	4 QH
EDU 6302 Teaching, Learning, and Assessment: How English Is Learned and Used	3 QH
EDU 6310 Teaching Reading and Writing to ESL/EFL Students	4 QH
EDU 6437 Assessment and Student Learning	4 QH
EDU 6465 Critical and Creative Thinking	4 QH
EDU 6516 Sheltered English Instruction and Assessment	4 QH
EDU 6520 Learning and the Brain: Translating Research into Practice	4 QH
EDU 6534 Bilingualism, Second Language, and Literacy Development	4 QH
EDU 6558 Issues in Education	1 QH
LDR 6110 Leading Teams	3 to 6 QH

Master of Education, Learning and Instruction Concentration— Option 6: Science**

**Note:* This area of focus is not available at the Charlotte, North Carolina, campus at this time.

REQUIRED CORE COURSES

27 quarter hours required

Complete the following course:

EDU 6054 Emerging Trends in Education: Redesign, Renewal, and Retention	4 QH

Complete one of the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6055 Sociocultural Context of Learning and Development	4 QH

Complete both of the following courses:

EDU 6436 Best Practices for the Twenty-First-Century Education	4 QH
EDU 6438* Teachers as Curriculum Leaders	4 QH

**Note:* This course should be taken during the last third of your program.

Complete one of the following courses:

EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH

Complete one of the following courses:

EDU 6445 Internationalization at Home: Concept and Application	4 QH
GST 6410 Global Focus: Education and Information Technology	4 QH

Complete one of the following courses:

EDU 6437 Assessment and Student Learning	4 QH
EDU 6465 Critical and Creative Thinking	4 QH
EDU 6520 Learning and the Brain: Translating Research into Practice	4 QH

ELECTIVE COURSES

18 quarter hours required

Choose from the following courses:

Note: Math courses are offered in the following formats: blended, hybrid, and on-campus. No math courses in this section are offered 100 percent online.

BIO 6509 Zoology for the Elementary Classroom	4 QH
CHM 6501 The Particulate Nature of Matter	4 QH
CHM 6502 The Energetics of Chemical Change	4 QH
CHM 6506 Metrics, Chemistry, and Motion	4 QH
EDU 6302 Teaching, Learning, and Assessment: How English Is Learned and Used	3 QH
GEO 6501 Earth Systems	4 QH
GEO 6502 The Solid Earth	4 QH
GEO 6505 Geology and Engineering Design	4 QH
LDR 6110 Leading Teams	3 to 6 QH
MTH 6527 Mathematics for Middle School Science Teachers	4 QH
PHY 6501 Forces, Energy, and Motion	4 QH
PHY 6510 Energy and Motion	4 QH
PHY 6511 Machines in Motion	4 QH
PHY 6512 Light and Sound Extravaganza	4 QH
SCI 6541 Backyard Ecology: Exploring the Local Ecosystem	4 QH
SCI 6542 Documenting Students' Science Knowledge	4 QH
SCI 6543 Assessing Inquiry-Based Science	4 QH
SCI 6544 Integrating Technology into the Science Classroom	4 QH

Master of Education, Special Education Concentration

Demand for graduate-level-prepared special education practitioners is on the rise, driven by heightened degree requirements and a shortage of licensed, qualified teachers. In response, the CPS is pleased to offer the Master of Education with a concentration in special education. Designed for educators who are licensed at the initial or professional level in another discipline, this innovative master's degree program prepares you to meet the special needs of students across a variety of school environments.

This program meets the Massachusetts Department of Elementary and Secondary Education standards and competencies for an additional licensure as a Teacher of Students with Moderate Disabilities, PreK–8 and 5–12.

In this advanced program, you have an opportunity to explore specific topics on modifying curriculum, designing curriculum-based assessments, managing severe behaviors, developing individualized education programs (IEPs), leveraging community resources, and improving literacy. As a result, you have an opportunity to enhance your ability to meet the needs of a diverse student population and to achieve the competencies required for this specialized license.

PROGRAM OBJECTIVES

- Better plan for the broad and varied range of student learning and behavioral styles.
- Build your competency in theory, research, and practice.
- Enhance your ability to create a learning environment and classroom community for all students.
- Improve your understanding and application of developmental variations.
- Evaluate the application and implications of federal and state laws that protect the rights of children with disabilities and their families.
- Use a variety of assessments and explain the purpose and data to students and families.
- Apply principles of universal design for learning, differentiated instruction, specially designed instruction, and other instructional pedagogy.
- Examine the need for and the complexity of initiating and implementing new models of education.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

8 quarter hours required

Complete the following course:

EDU 6054 Emerging Trends in Education: Redesign, Renewal, and Retention	4 QH

Complete one of the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6055 Sociocultural Context of Learning and Development	4 QH

REQUIRED SPECIAL EDUCATION SPECIALITY COURSES

20 quarter hours required

EDU 6425 Special Education: Foundations for Understanding the Inclusive School	4 QH
EDU 6426 Developmental Language, Literacy, and Writing: Assessment and Instruction	4 QH
EDU 6528 Adaptive Learning/Behavior Management Strategies: Consultation and Collaboration	4 QH
EDU 6569 Differentiated Instruction and Assessment in Mathematics	4 QH
EDU 6874* Practicum, Portfolio, and Panel Review	0 to 4 QH

Note: The practicum is required for those seeking a Massachusetts license in special education.

ELECTIVE COURSES

17 quarter hours required

EDU 6023 Institute in Creating a Community of Learners/Behaviors	4 QH
EDU 6302 Teaching, Learning, and Assessment: How English Is Learned and Used	3 QH
EDU 6320 New Technologies and Emerging Trends for Distance Learning	3 QH
EDU 6325 Teaching Strategies in E-Learning	3 QH
EDU 6429** Child and Adolescent Development and Variation	4 QH
EDU 6431** Developing Skills and Accessing Ideas: Curriculum	4 QH
EDU 6520 Learning and the Brain: Translating Research into Practice	4 QH
EDU 6530** Beyond Behavior Management	4 QH
EDU 6558 Issues in Education	1 QH
EDU 6570** Advanced Strategies in Literacy: Readers and Writers Who Struggle	4 QH
EDU 6710 Understanding Autism Spectrum Disorders	4 QH
LDR 6110 Leading Teams	3 to 6 QH

**Note:* Selected courses are approved for professional licensure by the Massachusetts Department of Elementary and Secondary Education for Teachers of Students with Moderate Disabilities.

Doctor of Education

The Doctor of Education (EdD) program offers a rich, dynamic learning experience—one that blends critical engagement with theory, practice, and research.

Offering innovative and engaging opportunities, our EdD seeks to further cultivate the skills and knowledge necessary to effect meaningful change in your organization. As a doctor of education student, you have an opportunity to collaborate with an accomplished group of fellow practitioners, exposing you to global perspectives and strengthening your ability to think critically about today's educational challenges.

Built on Northeastern University's scholar-practitioner model, the EdD program integrates your professional experience with doctoral-level research, which should enable you to identify and address your practice-based issues while investigating matters of social justice. Through rigorous course work and collaborative opportunities, you have an opportunity to conduct empirical research culminating in a doctoral thesis that examines a compelling educational challenge.

ADMISSION REQUIREMENTS

Please note that all doctor of education degrees offered through the CPS have the following admission requirements:

- Online application
- Academic transcripts (undergraduate **and** graduate)
- Admissions statement (1,000–1,200 words)
- Minimum of three years of professional work experience in a related field
- Professional résumé
- Faculty recommendation
- Two professional recommendations
- English-language proficiency proof (for non-native English-language speakers)

Doctor of Education—Curriculum, Teaching, Learning, and Leadership Concentration

The Doctor of Education (EdD), curriculum, teaching, learning, and leadership concentration, seeks to help educational leaders develop the competencies, dispositions, and values required to pursue educational reform, based on a commitment to social justice. Students have an opportunity to explore the relationship between effective educational leadership and the ways that curriculum and teaching can enhance learning opportunities for students across their life span.

This EdD concentration focuses on preparing transformational leaders who recognize the importance of providing quality educational experiences for all learners.

PROGRAM OBJECTIVES

- Assess how issues of social justice play out in contemporary educational settings.
- Analyze education systems to gain an understanding of the evolution of micro- and macro-level policies and legislation.
- Examine international curriculum and instruction research and practices.

- Investigate the development and interaction of leadership roles within organizations.
- Explore the theoretical and historical dimensions of curriculum, teaching, and learning in varied educational settings.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

12 quarter hours required

Complete the following courses:

EDU 7202 Transforming Human Systems	3 QH
EDU 7209 Introduction to Doctoral Studies	3 QH
EDU 7210 Leadership Theory and Research	3 QH
EDU 7214 Changing Conceptions of Learning and Human Development: Research and Practice	3 QH

REQUIRED RESEARCH COURSES

9 quarter hours required

EDU 7280 Fundamentals of Research	3 QH
EDU 7281 Research Design	3 QH

Students enroll in one of the following courses according to their thesis research design:

EDU 7282 Proposal Development—Quantitative	3 QH
EDU 7283 Proposal Development—Qualitative	3 QH

CURRICULUM, TEACHING, LEARNING, AND LEADERSHIP CONCENTRATION COURSES

15 quarter hours required

EDU 7216 Social Justice and Educational Equity: Investigating and Changing the P–12 Context	3 QH
EDU 7217 Educational Systems: The Dynamics between Policy, Values, and Practice	3 QH
EDU 7241 International Research and Practices in Curricula	3 QH
EDU 7242 Situated Leadership	3 QH
EDU 7244 Curriculum Theory and Practice Over Time: Implications for Educational Leadership	3 QH

ELECTIVE COURSES

3 quarter hours required

EDU 7213 Education Entrepreneurship	3 QH
EDU 7222 Community Engagement	3 QH
EDU 7230 Current and Emerging Practice in STEM Education	3 QH
EDU 7243 Doctoral Seminar in Curriculum Leadership	3 QH

DOCTORAL THESIS COURSES

6 quarter hours required

EDU 8790 Doctoral Thesis Seminar	6 QH
EDU 8791* Doctoral Thesis Continuation	0 QH

Note: Students may continue to work on their doctoral theses provided they enroll in EDU 8791 Doctoral Thesis Continuation for each term beyond the seminar. There is a continuation fee associated with this course but no academic credit.

Doctor of Education—Higher Education Administration Concentration

The Doctor of Education (EdD), higher education administration concentration, includes the study of practice and scholarship across a variety of postsecondary education settings, including community and four-year colleges, for-profit organizations, and research institutions. Addressing globalization trends in higher education, this concentration combines theoretical with practice-based concepts.

This concentration offers students an opportunity to conduct and apply research that advances administrative practice or theory in higher education administration. Students have an opportunity to further their understanding and utilization of research design as they interpret research literature and conduct research studies.

This program seeks to produce graduates well grounded in the educational roles and critical issues in colleges and universities, including:

- Cultural, ethical, and societal issues in higher education
- Historical considerations in higher education around the world
- Organization, governance, leadership, and administrative theories
- Higher education finance, law, and planning
- Establishing and sustaining initiatives in higher education

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

12 quarter hours required

Complete the following courses:

EDU 7202 Transforming Human Systems	3 QH
EDU 7209 Introduction to Doctoral Studies	3 QH
EDU 7210 Leadership Theory and Research	3 QH
EDU 7214 Changing Conceptions of Learning and Human Development: Research and Practice	3 QH

REQUIRED RESEARCH COURSES

9 quarter hours required

EDU 7280 Fundamentals of Research	3 QH
EDU 7281 Research Design	3 QH

Students enroll in one of the following courses according to their thesis research design:

EDU 7282 Proposal Development—Quantitative	3 QH
EDU 7283 Proposal Development—Qualitative	3 QH

HIGHER EDUCATION ADMINISTRATION CONCENTRATION COURSES

15 quarter hours required

EDU 7204 Global and Historical Perspectives on Higher Education	3 QH
EDU 7250 Organizational Systems and Institutional Governance	3 QH
EDU 7253 The Legal Environment of Higher Education	3 QH
EDU 7256 Financial Decision Making in Higher Education	3 QH
EDU 7258 Strategic Management in Higher Education	3 QH

ELECTIVE COURSES

3 quarter hours required

EDU 7251 Student Engagement in Higher Education	3 QH
EDU 7254 Postsecondary and Institutional Public Policy	3 QH
EDU 7257 The Urban University in the United States	3 QH
EDU 7260 Comparative International/Global Higher Education	3 QH
EDU 7264 Educating Global Students: Issues and Practices	3 QH

DOCTORAL THESIS COURSES

6 quarter hours required

EDU 8790 Doctoral Thesis Seminar	6 QH
EDU 8791* Doctoral Thesis Continuation	0 QH

Note: Students may continue to work on their doctoral theses provided they enroll in EDU 8791 Doctoral Thesis Continuation for each term beyond the seminar. There is a continuation fee associated with this course but no academic credit.

Doctor of Education—Jewish Education Leadership Concentration

Combining the Jewish professional education expertise of Hebrew College with the world-class research and real-world resources of Northeastern University, Hebrew College and Northeastern's College of Professional Studies offer a unique doctoral program for the research-driven practitioner. The Doctor of Education (EdD), Jewish education leadership concentration, is designed to meet the needs of Jewish educators and professionals who wish to take on greater leadership responsibilities within Jewish educational or communal organizations.

Courses in this highly focused concentration address the complex challenges facing Jewish leaders, providing the critical foundation for becoming an innovative, skillful, and effective educator.

PROGRAM OBJECTIVES

- Explore how Jewish educators derive curricular priorities from the interplay of belief, theory, research, and practice.
- Study a range of philosophies of American Jewish education with consideration for their theoretical assumptions and rationales, objectives, approaches to curriculum, pedagogic methods, and educational environments and contexts to which they are applicable.
- Understand techniques for collecting, analyzing, and sharing data as it informs instruction and curriculum, impacts teacher performance, and fosters change in Jewish schools and other Jewish educational institutions.
- Consider the history, structure, functions, and overall landscape of Jewish educational institutions in North America.
- Investigate Jewish education in all its forms—day school education, synagogue-based or supplemental Jewish education, denominationally based education, community schools, and those that specifically define themselves as pluralistic or nondenominational.

- Examine the institutional dynamics of Jewish education—organization, function, interinstitutional dynamics, communal norms, patterns of leadership, and decision making.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

9 quarter hours required

Complete the following courses:

EDU 7202 Transforming Human Systems	3 QH
EDU 7209 Introduction to Doctoral Studies	3 QH
EDU 7210 Leadership Theory and Research	3 QH

REQUIRED RESEARCH COURSES

9 quarter hours required

EDU 7280 Fundamentals of Research	3 QH
EDU 7281 Research Design	3 QH

Students enroll in one of the following courses according to their thesis research design:

EDU 7282 Proposal Development—Quantitative	3 QH
EDU 7283 Proposal Development—Qualitative	3 QH

JEWISH EDUCATION LEADERSHIP CONCENTRATION COURSES

18 quarter hours required

JLS 6220 Curriculum Development in Jewish Education	3 QH
JLS 6230 Philosophies of Jewish Education	3 QH
JLS 6240 Assessment in Jewish Education	3 QH
JLS 6250 Critical Issues in Jewish Educational Leadership: Case Studies	3 QH
JLS 6260 Leadership Challenges in Jewish Education	3 QH
JLS 6270 Landscape of Jewish Education in North America	3 QH

ELECTIVE COURSES

3 quarter hours required

Students take an additional course from the curriculum, teaching, learning, and leadership concentration. Possible electives are not limited to, but include:

EDU 7216 Social Justice and Educational Equity: Investigating and Changing the P–12 Context	3 QH
EDU 7217 Educational Systems: The Dynamics between Policy, Values, and Practice	3 QH
EDU 7241 International Research and Practices in Curricula	3 QH
EDU 7242 Situated Leadership	3 QH
EDU 7243 Doctoral Seminar in Curriculum Leadership	3 QH
EDU 7254 Postsecondary and Institutional Public Policy	3 QH
EDU 7257 The Urban University in the United States	3 QH
EDU 7260 Comparative International/Global Higher Education	3 QH
EDU 7264 Educating Global Students: Issues and Practices	3 QH
EDU 7270 Leadership and Communication: Challenges and Interdependencies	3 QH

EDU 7271 Information and Communication: Social and   3 QH
  Conventional Networks

EDU 7273 Professional Leadership and Communication   3 QH

DOCTORAL THESIS COURSES

6 quarter hours

EDU 8790 Doctoral Thesis Seminar   6 QH

EDU 8791* Doctoral Thesis Continuation   0 QH

Note: Students may continue to work on their doctoral theses provided they enroll in EDU 8791 Doctoral Thesis Continuation for each term beyond the seminar. There is a continuation fee associated with this course but no academic credit.

Doctor of Education—Organizational Leadership Studies Concentration

The Doctor of Education (EdD), organizational leadership studies concentration, positions experienced leaders to assume greater responsibilities within their organizations. Designed for leaders working in educational, government, health-care, military, not-for-profit, for-profit, and management consulting organizations, this concentration combines theory, research, and practice to develop individuals who can effectively manage and lead change in today's fast-paced, global environment.

The interdisciplinary curriculum offers a strong foundation in leadership, culture, learning, change, communications, systems, and strategy. Students have an opportunity to conduct and apply doctoral research to develop real-world answers to the leadership challenges facing twenty-first-century organizations.

Throughout the course of the program, students have an opportunity to:

- Review contemporary leadership theory and models emphasizing recent conceptualizations such as adaptive, relational, distributed, complexity, and global leadership to refine their personal leadership knowledge, skills, and abilities.
- Examine key models of organizational culture to build their own capability to understand and interact with different societal and organizational cultures across the world.
- Enhance their ability to think systemically by developing the required competencies to create cultures and structuring processes for learning in their organizations.
- Explore classical and modern theories of organization and design a forward-thinking organization creating all components, including vision, mission, strategy, structure, and processes.
- Use both seminal and current theoretical approaches of organizational communication to investigate the dynamic interplay between communication processes and human organizing.
- Examine seminal and modern group dynamics research to assess group processes and to stimulate group development inside their organizations.

- Investigate topical consulting strategies and organizational assessment tools and conduct an organizational diagnosis to gain a comprehensive understanding of the models, variables, and perspectives used to understand complex organizational processes.
- Integrate organizational power theory, research, and practical diagnostic tools to systematically identify and evaluate the political processes and behaviors at play inside their organizations.

This program seeks to produce graduates who have the capacity to contribute new knowledge to leadership scholarship and become positive forces of change.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

12 quarter hours required

Complete the following courses:

EDU 7202 Transforming Human Systems   3 QH

EDU 7209 Introduction to Doctoral Studies   3 QH

EDU 7210 Leadership Theory and Research   3 QH

EDU 7214 Changing Conceptions of Learning and   3 QH
  Human Development: Research and Practice

REQUIRED RESEARCH COURSES

9 quarter hours required

EDU 7280 Fundamentals of Research   3 QH

EDU 7281 Research Design   3 QH

Students enroll in one of the following courses according to their thesis research design:

EDU 7282 Proposal Development—Quantitative   3 QH

EDU 7283 Proposal Development—Qualitative   3 QH

ORGANIZATIONAL LEADERSHIP STUDIES CONCENTRATION COURSES

15 quarter hours required

EDU 7272 Global Perspectives of Organizational Culture   3 QH

EDU 7275 Contemporary Models of Leadership   3 QH

EDU 7276 Organizational Communication: Institutional   3 QH
  and Global Perspectives

EDU 7277 Organizational Learning and Systems Thinking   3 QH

EDU 7278 Organization Theory and Design   3 QH

ELECTIVE COURSES

3 quarter hours required

Students take one additional course from the organizational leadership studies concentration. Seminar topics may include organizational consulting, organizational power and politics, and group dynamics

EDU 7274 Doctoral Seminar in Organizational   3 QH
  Leadership and Communication

DOCTORAL THESIS COURSES

6 quarter hours required

EDU 8790 Doctoral Thesis Seminar	6 QH
EDU 8791* Doctoral Thesis Continuation	0 QH

Note: Students may continue to work on their doctoral theses provided they enroll in EDU 8791 Doctoral Thesis Continuation for each term beyond the seminar. There is a continuation fee associated with this course but no academic credit.

FINANCIAL MARKETS AND INSTITUTIONS

Graduate Certificate in Financial Markets and Institutions

In this rapidly changing business environment, the barriers between institutions are eroding, and competition is increasing due to deregulation and new product development. Managing internal operations more efficiently and adapting to the changing external environment is critical to the long-term survival of institutions. The Graduate Certificate in Financial Markets and Institutions seeks to prepare students to measure the impact of accounting decisions on performance; to manage risks, assets, and liabilities to meet corporate goals; to understand domestic and international financial systems and the institutions within them; and to build financial relationships that foster marketing financial products.

An examination of financial services industry principles and practices seeks to provide individuals working in brokerage houses, investment or commercial banks, insurance companies, or real estate with a greater understanding of financial systems as well as how to manage risks, assets, and liabilities in meeting corporate goals.

Note: Effective August 1, 2011, courses from this certificate may not be applied toward the Master of Science in Leadership.

CREDIT REQUIREMENT

16 quarter hours required

REQUIRED CORE COURSES

16 quarter hours required

Complete the following courses:

FIN 6101 Accounting Fundamentals for Financial Institutions	3 or 4 QH
FIN 6102 Asset and Liability Management	3 or 4 QH
FIN 6120 Building Financial Relationships	3 or 4 QH
FIN 6161 Investment Analysis	4 QH

<div style="background:red;color:white">GEOGRAPHIC INFORMATION SYSTEMS</div>

Graduate Certificate in Geographic Information Systems

PROGRAM OBJECTIVES

A geographic information system (GIS) combines layers of data to give needed information on specific locations. Such a system can map environmental sensitivities or geological features or can report on how best to speed emergency personnel to an accident or crime scene. Current fields using GIS include health care, public safety, environmental management, transportation and operations technology, real estate, and public utilities.

The Graduate Certificate in Geographic Information Systems program offers hands-on training, seeking to give students the necessary skills and understanding to apply GIS competently and effectively. As a result of the certificate curriculum, students should be well versed in GIS theory, have practical hands-on exposure to GIS software and hardware, understand the representation of data in both mapped and tabular forms, and know how to plan and construct spatial databases.

The courses in this certificate program may be applied to the Master of Professional Studies in Geographic Information Technology.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED CORE COURSES

12 quarter hours required

Complete the following courses:

GIS 5101 Introduction to Geographic Information Systems	3 QH
GIS 5102 Fundamentals of GIS Analysis	3 QH
GIS 5201 Advanced Spatial Analysis	3 QH
RMS 5105 Fundamentals of Remote Sensing	3 QH

ELECTIVE COURSES

6 quarter hours required

Complete two of the following courses:

GIS 6340 GIS Customization	3 QH
GIS 6350 GIS Management and Implementation	3 QH
GIS 6360 Spatial Databases	3 QH
GIS 6370 Internet-Based GIS	3 QH
GIS 6385 GIS/Cartography	3 QH
GIS 6390 Business Applications of Geographic Information Systems	3 QH
GIS 6391 Health-Care Applications of Geographic Information Systems	3 QH
GIS 6395 Geospatial Analysis of Crime	3 QH
GIS 6396 GIS for Defense, Homeland Security, and Emergency Response	3 QH

Master of Professional Studies in Geographic Information Technology

Increased interest in geographic information and its applications is fueling demand for surveyors, cartographers, photogrammetrists, and mapping technicians. In response to this increased demand, Northeastern University's College of Professional Studies has developed the Master of Professional Studies in Geographic Information Technology (GIT).

Designed to advance your technical expertise, this online degree in GIT explores a range of topics that are essential to the GIS field, from project management and system implementation to database design and execution. In addition, advanced concepts and techniques in areas such as raster-based GIS, geospatial information, and GIS modeling are also addressed within this online master's degree. Combining technical knowledge with hands-on GIS training, this results-oriented program seeks to enhance your skills and broaden your knowledge base, equipping you to competently apply GIS in your chosen field.

Note: High-speed Internet service is required for course work in this program.

PROGRAM OBJECTIVES

- Gain hands-on experience with ESRI software.
- Improve your understanding of Internet GIS.
- Explore the fundamentals of remote sensing.
- Establish foundational skills in project management, system implementation, database development, and implementation.
- Evaluate theoretical, mathematical, and computational foundations of GIS.
- Learn to effectively interpret and apply geographic information.
- Analyze cartographic principles.
- Study the legal, economic, and ethical issues associated with GIS.
- Examine practical applications of GIS to support geographic inquiry and decision making.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

18 quarter hours required

Complete the following courses:

GIS 5101 Introduction to Geographic Information Systems	3 QH
GIS 5102 Fundamentals of GIS Analysis	3 QH
GIS 5201 Advanced Spatial Analysis	3 QH
ITC 6020 Information Systems Design and Development	3 QH
PJM 5900 Foundations of Project Management	3 QH
RMS 5105 Fundamentals of Remote Sensing	3 QH

ELECTIVE COURSES

3 quarter hours required

Complete one of the following courses:

CMN 6010 Foundations of Organizational Communication	3 to 6 QH
LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6125 Managing Organizational Culture	3 QH

GEOGRAPHIC INFORMATION SYSTEMS CONCENTRATION COURSES

18 quarter hours required

Complete six of the following courses:

GIS 6340 GIS Customization	3 QH
GIS 6350 GIS Management and Implementation	3 QH
GIS 6360 Spatial Databases	3 QH
GIS 6370 Internet-Based GIS	3 QH
GIS 6385 GIS/Cartography	3 QH
GIS 6390 Business Applications of Geographic Information Systems	3 QH
GIS 6391 Health-Care Applications of Geographic Information Systems	3 QH
GIS 6395 Geospatial Analysis of Crime	3 QH
GIS 6396 GIS for Defense, Homeland Security, and Emergency Response	3 QH
Open electives	6 QH

Graduate Certificate in Global Studies and International Affairs

PROGRAM OBJECTIVES

The Graduate Certificate in Global Studies and International Affairs is designed to provide students with the skills and training necessary to analyze, research, and evaluate a topic of interest in a global location. Overall, the program curriculum focuses on the themes of transition and development in the global world. Core courses provide a base of knowledge about global issues and are combined with an elective that allows students to focus on a specific area of interest.

CREDIT REQUIREMENT

16 quarter hours required

GLOBAL BASICS COURSES

12 quarter hours required

Complete the following courses:

GST 6100 Global Basics: Globalization and Global Politics and Economics	4 QH
GST 6101 Global Basics: Global Literacy, Culture, and Community	4 QH
GST 6102 Global Basics: Global Corporate and Social Responsibility	4 QH

ELECTIVE COURSES

4 quarter hours required

Complete one of the following courses:

Conflict Resolution

GST 6300 Global Issues: Security and Terrorism	4 QH
GST 6320 Global Issues: Peace and Conflict	4 QH
GST 6324 Divided Societies in the Modern World	4 QH
GST 6326 International Conflict and Cooperation	4 QH
GST 6327 Conflict and Postconflict Development	4 QH

Global Development

GST 6200 Global Players: The Funders	4 QH
GST 6210 Global Players: The Developers	4 QH
GST 6310 Global Issues: Immigration and Labor	4 QH
GST 6340 Global Issues: Poverty and Wealth	4 QH
GST 6440 Global Focus: Resources and Markets	4 QH
GST 6610 Sustainable Development	4 QH

Global Health

GST 6700 Global Health Perspectives, Politics, and Experiences in International Development	4 QH
GST 6710 Critical Issues and Challenges in the Practice of Global Health	4 QH
GST 6720 Emerging Infectious Diseases and Health Impacts of Social and Environmental Changes	4 QH
GST 6730 Health and Human Rights and Ethical Issues in Global Health Futures	4 QH

Open Electives

GST 6330 Global Issues: Religion, the State, and Society	4 QH
GST 6410 Global Focus: Education and Information Technology	4 QH
GST 6420 Global Focus: Media and Communication Technology	4 QH
GST 6430 Global Focus: Leadership and Management	4 QH
GST 6500 Global Hot Spots: China and India	4 QH
GST 6510 Global Hot Spots: Eastern Europe and the Middle East	4 QH
GST 6520 Global Hot Spots: Africa and the Caribbean	4 QH
GST 6530 Global Hot Spots: Europe and North Africa	4 QH
GST 6540 Politics of the European Union	4 QH

Master of Science in Global Studies and International Affairs

Globalization has forever altered the business landscape—creating an array of new challenges for companies and government agencies alike. To succeed, organizations need global leaders who can identify and capitalize upon emerging opportunities. In response, the CPS—in collaboration with the Middle East Center for Peace, Culture, and Development and International Affairs—has developed the Master of Science in Global Studies and International Affairs.

Designed to help you think and act differently, this master's degree examines the economic, political, and cultural shifts that are redefining how organizations conduct business. Graduate courses examine key issues from multiple perspectives, offering you the opportunity to obtain the knowledge and insights you need to lead and thrive in today's global environment.

PROGRAM OBJECTIVES

- Examine the multifaceted nature of politics and economics in an expanding global world.
- Analyze the impact of globalization on political and economic systems, such as capitalism, democracy, socialism, nationalism, totalitarianism, and populism.
- Understand how to use qualitative methods in the analysis of culture and communication.
- Assess the social responsibilities of corporations and individuals in the global twenty-first century.

CREDIT REQUIREMENT

46 quarter hours required

FOUNDATION COURSES

24 quarter hours required

GST 6000 Political Philosophy for Global Studies	4 QH
GST 6100 Global Basics: Globalization and Global Politics and Economics	4 QH
GST 6101 Global Basics: Global Literacy, Culture, and Community	4 QH
GST 6102 Global Basics: Global Corporate and Social Responsibility	4 QH
GST 6109 Basic Field Research Methods	4 QH

Complete one of the following courses:

GST 6920 Case Study in Global Studies	4 QH
GST 7990* Thesis	1 to 8 QH

Note: This course, which requires faculty approval, should be taken as the last course within the program.

CONCENTRATIONS COURSES

16–19 quarter hours

If students prefer to focus their studies on a particular concentration, they may complete 16–19 quarter hours from one of the concentrations below and complement their studies with 4–8 quarter hours of elective courses (listed at the end of the curriculum) to meet the minimum 46-quarter-hour degree requirement. Students are not required to complete a concentration. Any combination of 26–28 quarter hours from concentration and elective courses satisfies the degree requirements.

Conflict Resolution Concentration

GST 6320 Global Issues: Peace and Conflict	4 QH

Complete three of the following courses:

GST 6300 Global Issues: Security and Terrorism	4 QH
GST 6324 Divided Societies in the Modern World	4 QH
GST 6326 International Conflict and Cooperation	4 QH
GST 6327 Conflict and Postconflict Development	4 QH

Global Development Concentration

GST 6340 Global Issues: Poverty and Wealth	4 QH
GST 6610 Sustainable Development	4 QH

Complete two of the following courses:

GST 6200 Global Players: The Funders	4 QH
GST 6210 Global Players: The Developers	4 QH
GST 6220 Globalization of Emerging Economies	4 QH
GST 6310 Global Issues: Immigration and Labor	4 QH
GST 6350 Global Economics of Food and Agriculture	4 QH
GST 6440 Global Focus: Resources and Markets	4 QH

Global Health Concentration

The global health concentration is currently available at the Boston campus only. Online classes are not offered within this concentration.

GST 6700 Global Health Perspectives, Politics, and Experiences in International Development	4 QH

Complete three of the following courses:

GST 6350 Global Economics of Food and Agriculture	4 QH
GST 6710 Critical Issues and Challenges in the Practice of Global Health	4 QH
GST 6720 Emerging Infectious Diseases and Health Impacts of Social and Environmental Changes	4 QH
GST 6730 Health and Human Rights and Ethical Issues in Global Health Futures	4 QH

Nonprofit Management Concentration

GST 6430 Global Focus: Leadership and Management	4 QH

Complete five of the following courses:

NPM 6120 Financial Management for Nonprofit Organizations	3 QH

NPM 6110 Legal and Governance Issues in Nonprofit   3 QH
Organizations
NPM 6120 Financial Management for Nonprofit   3 QH
  Organizations
NPM 6125 Promoting Nonprofit Organizations   3 QH
NPM 6130 Fund-Raising and Development for   3 QH
  Nonprofit Organizations
NPM 6140 Grant and Report Writing   3 QH
NPM 6150 Human Resources Management in Nonprofit   3 QH
  Organizations

ELECTIVE COURSES

Students who have completed a concentration must take 6–8
quarter hours of elective courses (to satisfy the 46-quarter-hour
degree requirement).

GST 6108 Introduction to Quantitative Research and   4 QH
  Applied Statistics
GST 6330 Global Issues: Religion, the State, and
  Society
GST 6360 Nuclear Weaponry: Science and Politics   2 QH
GST 6410 Global Focus: Education and Information   4 QH
  Technology
GST 6430 Global Focus: Leadership and Management   4 QH
GST 6530 Global Hot Spots: Europe and North Africa   4 QH
GST 6540 Politics of the European Union   4 QH
GST 6550 American Foreign Policy   4 QH

HEALTH MANAGEMENT

Graduate Certificate in Health Management

PROGRAM OBJECTIVES

Projections for the health-care industry state that job growth will
remain above average into the next decade. The needs of an aging
population along with the increased human life cycle are just some
of the factors contributing to this growth.

The Graduate Certificate in Health Management examines
the financial, political, legal, and operational aspects of a health-
care facility and explores the evolution of health-care delivery in
the United States.

Health managers are found in different roles across health-
care organizations including:

- Strategic planning
- Operations
- Human resources
- Fund-raising
- Purchasing

Health managers are responsible for designing, administering,
managing, and evaluating health policies, programs, and services.
The courses in this certificate also serve as a concentration in the
Master of Science in Leadership program.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED CORE COURSES

12 quarter hours required
Complete the following courses:

HMG 6110 Organization, Administration, Financing,   3 QH
  and History of Health Care
HMG 6120 Human Resource Management in Health Care   3 QH
HMG 6130 Health-Care Strategic Management   3 QH
NPM 6120 Financial Management for Nonprofit   3 QH
  Organizations

ELECTIVE COURSES

6 quarter hours required
Complete two of the following courses:

HRM 6020 Strategic Recruitment, Training, and   3 QH
  Performance Management
HMG 6140 Principles of Population-Based Management   3 QH
HMG 6160 Health-Care Information Systems   3 QH
  Management
HMG 6170 Health Law, Politics, and Policy   3 QH
NPM 6110 Legal and Governance Issues in Nonprofit   3 QH
  Organizations
NPM 6150 Human Resources Management in Nonprofit   3 QH
  Organizations

HUMAN RESOURCE MANAGEMENT

Graduate Certificate in Human Resources Management

PROGRAM OBJECTIVES

In today's multifaceted organizations, human resource professionals must respond to the growing challenges of regulatory compliance, complex benefit plans, and training and motivating employees.

The Graduate Certificate in Human Resources Management seeks to foster a deep understanding of organizational development and effective change management, workforce planning and strategic recruitment, and training and performance management.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED CORE COURSES

18 quarter hours required

Complete the following courses:

HRM 6005 Creating a High-Performance Organization: Strategic Organizational and HRM Choices	3 QH
HRM 6010 Total Compensation	3 QH
HRM 6020 Strategic Recruitment, Training, and Performance Management	3 QH
HRM 6030 Employee Rights and Employer Obligations	3 QH
HRM 6040* High-Performance Human Resources Systems and Development	3 QH
HRM 6045 Change, Challenge, and Competence	3 QH

*Note: This course recommended as the last course within the program.

HUMAN SERVICES

Master of Science in Human Services

Professionals with graduate degrees in human services are needed to address a wide range of societal issues—whether by providing direct services, supervising personnel, or administering programs and policies. Often responsible for working with vulnerable populations, human services professionals must be adept at conducting assessments, developing service plans and policies, leading interdisciplinary teams, and managing care for at-risk clients.

To address this important need, the CPS offers the online Master of Science in Human Services. In addition to a solid core curriculum, the program offers several electives, as well as concentrations in leadership, organizational communication, and global studies—enabling you to focus your graduate studies in the area that best matches your interests and career objectives. Reflecting Northeastern's philosophy of practice-oriented education, this human services master's degree includes work-based applications and a capstone service-learning project, offering you an opportunity to deepen your knowledge within your chosen specialty. This human services graduate degree program seeks to produce graduates with the knowledge and skills they need to pursue a leadership role in the fulfilling field of human services.

PROGRAM OBJECTIVES

- Examine the development of human services policies and organizations.
- Explore organizational behavior and leadership issues in human services organizations.
- Acquire methods for facilitating community involvement, constructively engaging diverse groups of stakeholders in strategic partnerships and building communities.
- Review human services social policy issues, including the privatization of welfare, trends in mental health care, the impact of immigration, and the ongoing debate over education and reproductive rights.
- Develop a conceptual framework for developing effective employee assistance programs.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

21 quarter hours required

Complete the following courses:

HSV 6100 Theory and Practice of Human Services	3 QH
HSV 6110 Human Services Management and Development	3 QH
HSV 6120 Social Inequality, Social Change, and Community Building	3 QH
HSV 6160 Introduction to Employee Assistance Programs	3 QH
HSV 6630 Research and Evaluation in Human Services	3 QH
HSV 6640 Policy Issues in Human Services	3 QH
HSV 6980 Capstone	1 to 4 QH

ELECTIVE COURSES

9 quarter hours required

Complete three of the following courses:

CMN 6015 Introduction to the Digital Era: The Power of Social Media	3 QH
CMN 6080 Intercultural Communication	3 to 6 QH
NPM 6120 Financial Management for Nonprofit Organizations	3 QH
NPM 6130 Fund-Raising and Development for Nonprofit Organizations	3 QH
NPM 6140 Grant and Report Writing	3 QH
NPM 6150 Human Resources Management in Nonprofit Organizations	3 QH

CONCENTRATIONS COURSES

15–16 quarter hours required

Choose one of the following concentrations:

Global Studies Concentration

16 quarter hours required

Complete all of the following courses:

GST 6100 Global Basics: Globalization and Global Politics and Economics	4 QH
GST 6101 Global Basics: Global Literacy, Culture, and Community	4 QH
GST 6102 Global Basics: Global Corporate and Social Responsibility	4 QH

Complete one of the following courses:

GST 6300 Global Issues: Security and Terrorism	4 QH
GST 6310 Global Issues: Immigration and Labor	4 QH
GST 6330 Global Issues: Religion, the State, and Society	4 QH

Leadership Concentration

15 quarter hours required

Complete all of the following courses:

LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6110 Leading Teams	3 to 6 QH
LDR 6120 Creating Leadership Capacity: Developing Bench Strength	3 to 6 QH
LDR 6140 Developing the Strategic Leader	3 to 6 QH

Complete one of the following courses:

LDR 6125 Managing Organizational Culture	3 QH
LDR 6135 The Ethical Leader	3 QH

Organizational Communication Concentration

15 quarter hours required

Complete all of the following courses:

CMN 6010 Foundations of Organizational Communication	3 to 6 QH
CMN 6020 Ethical Issues in Organizational Communication	3 QH
CMN 6050 Crisis Communication	3 to 6 QH
CMN 6090 Organizational Culture, Climate, and Communication	3 QH
CMN 6110 Group Dynamics and Interpersonal Conflict: Meeting Management	3 QH

Master of Professional Studies in Informatics

A relatively new and rapidly evolving area, informatics is increasingly used to solve today's problems. Whether it's used to create information and communication technologies, design decision support systems, develop 3-D visualizations, or devise mobile applications, informatics can be applied across a wide range of industries to address a variety of privacy, security, health-care, environmental, educational, and social challenges.

In response, Northeastern University offers the Master of Professional Studies in Informatics. Designed to improve your computing skills and enhance your knowledge of computing applications, this master's degree seeks to prepare you to excel in the fast-growing and dynamic field of informatics.

PROGRAM OBJECTIVES

- Gain a strategic framework for aligning competitive strategies, core competencies, and information systems.
- Examine concepts, architectures, protocols, standards, and security models for digital networks.
- Acquire tools and techniques for effectively managing small, medium, and large programming projects.
- Learn how to adopt a multidisciplinary approach to research and analysis.
- Understand what is required to research, identify, design, implement, secure, and manage technology.
- Explore cutting-edge software principles and programming techniques.

CREDIT REQUIREMENT

45–47 quarter hours required

REQUIRED CORE COURSES

24 quarter hours required

Complete the following courses:

ITC 6000 Database Management Systems	3 QH
ITC 6010 Information Technology Strategy and Governance	3 QH
ITC 6020 Information Systems Design and Development	3 QH
ITC 6030 Computer Systems and Networks	3 QH
ITC 6035 Information Technology Project Management	3 QH
ITC 6040 Informatics Capstone	3 QH
ITC 6045 Information Technology Policy, Ethics, and Social Responsibility	3 QH
ITC 6300 Foundations of Information Security	3 QH

If students prefer to focus their studies on a particular concentration, they may complete 18–20 QH from one of the concentrations below and complement their studies with 3–4 QH of elective courses (listed at the end of the curriculum) to meet the minimum 45-QH degree requirement.

Students are not required to complete a concentration. Any combination of 21–24 QH from concentration and elective courses satisfies the degree requirement.

Information Security Management Concentration

18–20 quarter hours required

ITC 6305 IT Infrastructure (Systems, Networks, Telecom)	3 QH
ITC 6310 Information Security Governance	3 QH
ITC 6315 Information Security Risk Management	3 QH
ITC 6320 Information Security Technology	3 QH

Complete two of the following courses:

ITC 6325 CISA Preparation	3 QH
ITC 6330 CISSP Preparation	3 QH
MIS 6080 Network Security Concepts	4 QH
MIS 6082 Network Protection	4 QH

Global Information Systems Concentration

18–20 quarter hours required

GIS 5101 Introduction to Geographic Information Systems	3 QH
GIS 5102 Fundamentals of GIS Analysis	3 QH
GIS 5201 Advanced Spatial Analysis	3 QH
RMS 5105 Fundamentals of Remote Sensing	3 QH

Complete two of the following courses:

GIS 6340 GIS Customization	3 QH
GIS 6350 GIS Management and Implementation	3 QH
GIS 6360 Spatial Databases	3 QH
GIS 6370 Internet-Based GIS	3 QH
GIS 6385 GIS/Cartography	3 QH
GIS 6390 Business Applications of Geographic Information Systems	3 QH
GIS 6391 Health-Care Applications of Geographic Information Systems	3 QH

ELECTIVE COURSES

Complete a minimum of 3 quarter hours from the following list:

DGM 6145 Information Technology and Creative Practice	4 QH
DGM 6500 Working with Digital Images	2 QH
DGM 6501 Web Creation Boot Camp	2 QH
DGM 6511 Web Creation Boot Camp 2	2 QH
GIS 5101 Introduction to Geographic Information Systems	3 QH
GIS 5102 Fundamentals of GIS Analysis	3 QH
GIS 6360 Spatial Databases	3 QH
GIS 6370 Internet-Based GIS	3 QH
ITC 6015 Enterprise Information Architecture	3 QH
ITC 6335 Data Warehousing and Data Mining	3 QH
ITC 6340 Mobile and Wireless Networks and Applications	3 QH
ITC 6345 Systems and Network Administration	3 QH
ITC 6355 Web Application Design and Development	3 QH
ITC 7120 Health-Care Information Systems	3 QH
PJM 6000 Project Management Practices	3 QH
TCC 6110 Information Architecture	4 QH
TCC 6120 Usability and User Experience	4 QH

INFORMATION SECURITY

Graduate Certificate in Information Security Management

Information security is a management issue with global business implications. To succeed in today's network economy requires more than simply a focus on information technology (IT) issues. Succeeding also requires a focus on security strategy and management. IT security governance is an overarching consideration in all risk-assessment and management-related endeavors and is important for information security since many issues have legal, regulatory, policy, and ethical considerations. The associated risks of business today must be clearly understood and managed.

PROGRAM OBJECTIVES

The Graduate Certificate in Information Security Management seeks to provide a conceptual and practical overview of information security management. It begins with an overview of key information security management issues and principles. It presents security governance challenges including the policy, law, regulatory, and ethical accountability frameworks that information security risk managers must work within. The program includes review courses that seek to prepare students for the Certified Information Systems Security Professional (CISSP) and Certified Information Systems Auditor (CISA) exams.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED CORE COURSES

15 quarter hours required

Complete the following courses:

ITC 6300 Foundations of Information Security	3 QH
ITC 6305 IT Infrastructure (Systems, Networks, Telecom)	3 QH
ITC 6310 Information Security Governance	3 QH
ITC 6315 Information Security Risk Management	3 QH
ITC 6320 Information Security Technology	3 QH

ELECTIVE COURSES

3 quarter hours required

Complete one of the following courses:

ITC 6325 CISA Preparation	3 QH
ITC 6330 CISSP Preparation	3 QH
MIS 6080 Network Security Concepts	4 QH
MIS 6082 Network Protection	4 QH

LAW AND POLICY

Doctorate in Law and Policy

The shortage of doctoral credentials has been highlighted in numerous articles and journals. Executives and upper-level administrators operate in an increasingly global environment, and a doctoral education provides the policy, research, and administrative skills necessary to take your career to the highest level.

Developed jointly by the CPS and Northeastern's Law and Public Policy program, the Doctorate in Law and Policy program (LPD) allows students to craft a meaningful course of study and seeks to imbue them with new thinking and actionable learning that quickly translates into real impact and real results.

The LPD program is structured so course work and the doctoral thesis are completed in two years without interrupting life and career. Classes meet one weekend per month in Boston, and the learning continues online throughout the rest of the month.

The LPD program's unique format encourages team collaboration. Every year, a cohort of the world's most promising doctoral scholars is selected to begin the program. All students follow the same schedule through eight consecutive terms. In its inaugural year, the LPD program drew more than 500 applicants and inquiries from across the country and around the world. Only the most promising individuals were offered admission to this highly selective program.

Northeastern University also offers a traditional PhD in Law, Policy, and Society. To learn more, visit the Law and Public Policy program website at www.northeastern.edu/law/academics/curriculum/dual-degrees/lawpolicy.html.

ADMISSION REQUIREMENTS

Please note that the Doctorate in Law and Policy degree offered through the CPS has the following admission requirements:

- Online application
- Academic transcripts (undergraduate **and** graduate)
- Statement of purpose (500–1,000 words)
- Professional résumé
- Three letters of recommendation
- Interview (selected students only)
- English-language proficiency proof (for non-native English-language speakers)

CREDIT REQUIREMENT

48 quarter hours required

REQUIRED COURSES

Year One, First Quarter

LWP 6120 Law and Legal Reasoning 1	2 QH
LWP 6410 Economics for Policy Analysis 1	2 QH
LWP 6420 Quantitative Methods 1	2 QH

Year One, Second Quarter

LWP 6121 Law and Legal Reasoning 2	2 QH
LWP 6411 Economics for Policy Analysis 2	2 QH
LWP 6421 Quantitative Methods 2	2 QH

Year One, Third Quarter

LWP 6401 Law and Policy Concepts 1	2 QH
LWP 6412 Law, Economics, and Beyond 1	2 QH
LWP 6422 Quantitative Methods 3	2 QH

Year One, Fourth Quarter

LWP 6402 Law and Policy Concepts 2	2 QH
LWP 6404 Evaluation Research	2 QH
LWP 6423 Qualitative Methods	2 QH

Year Two, First Quarter

LWP 6403 Law and Policy Concepts 3	2 QH
LWP 6424 Survey Methods Applicable to Doctoral Research	2 QH
LWP 6500 Doctoral Research Design 1	2 QH

Year Two, Second Quarter

LWP 6450 Public Policy Theory and Practice 1	4 QH
LWP 6501 Doctoral Research Design 2	2 QH

Year Two, Third Quarter

LWP 6451 Public Policy Theory and Practice 2	4 QH
LWP 6502 Doctoral Research Design 3	2 QH

Year Two, Fourth Quarter

LWP 6452 Public Policy Theory and Practice 3	4 QH
LWP 6503 Doctoral Research Design 4	2 QH

Additional Quarters (if needed)

LWP 7994 Thesis Continuation—Part-Time	0 QH

<div style="background:red;color:white">LEADERSHIP</div>

Graduate Certificate in Leadership

PROGRAM OBJECTIVES

Today's cross-functional teams and organizations require a leadership style that capitalizes on the collective expertise and capabilities of the group. The development and mastery of collaborative leadership skills are not typically part of one's focused discipline preparation; hence, leadership requires deliberate development by those who assume leadership roles. The Graduate Certificate in Leadership starts with the premise that everyone is capable of leadership. The program studies every aspect of leadership dynamics from the leader as an individual to working in teams and from the organization itself to the development of strategic leadership techniques. Course work exposes participants to a series of alternative perspectives of leadership, including collaborative models. Using the course's action-learning methods, participants build a personal model of leadership that they can put to immediate use in their workplace.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED COURSES

12 quarter hours required
Complete all of the following courses:

LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6110 Leading Teams	3 to 6 QH
LDR 6120 Creating Leadership Capacity: Developing Bench Strength	3 to 6 QH
LDR 6140 Developing the Strategic Leader	3 to 6 QH

ELECTIVE COURSES

6 quarter hours required
Complete two of the following courses:

CMN 6010 Foundations of Organizational Communication	3 to 6 QH
HRM 6005 Creating a High-Performance Organization: Strategic Organizational and HRM Choices	3 QH
LDR 6125 Managing Organizational Culture	3 QH
LDR 6135 The Ethical Leader	3 QH

Master of Science in Leadership

As today's workforce continues to diversify, leadership tasks and responsibilities have become more complex. The Master of Science in Leadership seeks to prepare you to meet these evolving challenges by helping you cultivate a personal leadership philosophy. Leveraging students' interdisciplinary backgrounds, this master's degree in leadership combines real-world lessons with an action-learning approach that is designed to build and strengthen your leadership capabilities.

In September of 2009, the Master of Science in Leadership with a concentration in project management received accreditation by the Project Management Institute's Global Accreditation Center (GAC), the world's leading association for project management professionals. Accreditation is achieved by meeting the GAC's rigorous standards, which include an assessment of program objectives and outcomes, a review of on-site and online resources, evaluations of faculty and students, and proof of continuous improvements in the area of project management.

PROGRAM OBJECTIVES

- Develop and bolster your leadership competencies.
- Explore key leadership areas such as management, ethics, strategic thinking, and organizational culture.
- Prepare for the challenges and opportunities associated with leading in a global world.
- Exercise leadership skills through action-learning and research projects.
- Improve your ability to lead and work both independently and collaboratively.

Note: Effective August 1, 2011, courses from FIN and ACC may not be applied toward this degree.

CREDIT REQUIREMENT

45–46 quarter hours required

REQUIRED CORE COURSES

24 quarter hours required
Complete all of the following courses in the order listed below:

LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6110 Leading Teams	3 to 6 QH
LDR 6120 Creating Leadership Capacity: Developing Bench Strength	3 to 6 QH
LDR 6125 Managing Organizational Culture	3 QH
LDR 6135 The Ethical Leader	3 QH
LDR 6140 Developing the Strategic Leader	3 to 6 QH
LDR 6145 Managing a Diverse Workforce	3 QH
LDR 7995 Project	1 to 4 QH

ELECTIVE COURSES

6 quarter hours required
Complete two of the following courses:

CMN 6015 Introduction to the Digital Era: The Power of Social Media	3 QH
CMN 6060 Negotiation, Mediation, and Facilitation	3 or 6 QH
CMN 6080 Intercultural Communication	3 to 6 QH
CMN 6110 Group Dynamics and Interpersonal Conflict: Meeting Management	3 QH
COP 6940* Personal and Career Development	1 to 4 QH

Note: Enrollment into this course requires participation in the cooperative education program.

CONCENTRATION COURSES

15–16 quarter hours required

Choose one of the following concentrations:

Health Management Concentration

15 quarter hours required

Complete all of the following courses:

HMG 6110 Organization, Administration, Financing, and History of Health Care	3 QH
HMG 6130 Health-Care Strategic Management	3 QH
HMG 6140 Principles of Population-Based Management	3 QH
HMG 6160 Health-Care Information Systems Management	3 QH
HMG 6170 Health Law, Politics, and Policy	3 QH

Human Resources Concentration

15 quarter hours required

Complete all of the following courses:

HRM 6005 Creating a High-Performance Organization: Strategic Organizational and HRM Choices	3 QH
HRM 6010 Total Compensation	3 QH
HRM 6020 Strategic Recruitment, Training, and Performance Management	3 QH
HRM 6030 Employee Rights and Employer Obligations	3 QH
HRM 6040 High-Performance Human Resources Systems and Development	3 QH

Nonprofit Management Concentration

15 quarter hours required

Complete all of the following courses:

NPM 6110 Legal and Governance Issues in Nonprofit Organizations	3 QH
NPM 6120 Financial Management for Nonprofit Organizations	3 QH
NPM 6125 Promoting Nonprofit Organizations	3 QH
NPM 6130 Fund-Raising and Development for Nonprofit Organizations	3 QH
NPM 6140 Grant and Report Writing	3 QH

Organizational Communications Concentration

15 quarter hours required

Complete all of the following courses:

CMN 6010 Foundations of Organizational Communication	3 to 6 QH
CMN 6020 Ethical Issues in Organizational Communication	3 QH
CMN 6050 Crisis Communication	3 to 6 QH
CMN 6090 Organizational Culture, Climate, and Communication	3 QH
CMN 6110 Group Dynamics and Interpersonal Conflict: Meeting Management	3 QH

Project Management Concentration

15–16 quarter hours required

Complete the following courses:

PJM 5900* Foundations of Project Management	3 QH
PJM 6000 Project Management Practices	3 QH
PJM 6010 Project Planning and Scheduling	3 QH
PJM 6015 Project Risk Management	3 QH

Note: This course is required for students who do not have at least two years of professional experience working on projects. This course is highly recommended for students who don't have a basic working knowledge of MsProject software. Students with project management experience are not required to take this course.

Complete two** of the following courses:

PJM 6020 Project Cost and Budget Management	3 QH
PJM 6125 Project Evaluation and Assessment	3 QH
PJM 6135 Project Quality Management	3 QH

***Note:* Students who take PJM 5900 are only required to take one course within this section.

Sport and Social Change Concentration

16 quarter hours required

Complete all of the following courses:

GST 6102 Global Basics: Global Corporate and Social Responsibility	4 QH
HSV 6120 Social Inequality, Social Change, and Community Building	3 QH
LDR 6360 Dynamics of Change at the Community and Social Level	3 QH
LDR 6410 Leadership and Organization in Sport	3 QH
LDR 6427 Gender and Diversity in Sport	3 QH

Master of Sports Leadership

The practice-oriented sports leadership master's degree is structured to accommodate midcareer athletic administrators and coaches, as well as individuals seeking to prepare for careers in the sports industry.

Developed in collaboration with Northeastern University's Center for the Study of Sport in Society, the Master of Sports Leadership seeks to prepare you for a variety of sport-related occupations—whether it's working with a professional or intercollegiate sports team; with a fitness club or wellness organization; or in marketing, communication, or sports management. Courses within this unique graduate degree examine the social and business issues that are critical to sports leadership. Offered in an online format with an intensive one-week summer institute in Boston, this practice-oriented degree seeks to provide you with a well-rounded educational experience, equipping you to advance your career in the sports industry.

PROGRAM OBJECTIVES

- Identify your leadership styles and strengths and take steps to improve your leadership capacity.
- Understand what it takes to build highly effective teams.
- Obtain approaches and techniques for effectively tackling ethical dilemmas.
- Explore the legal issues related to equipment use, facility management, and accommodation for special populations.
- Learn how to leverage sports for greater social and economic good.

- Examine the planning, scheduling, and financial issues associated with running a successful athletics program.
- Discover how to use sports to foster diversity, prevent violence, and improve the health of local and global communities.

CREDIT REQUIREMENT

(effective for students starting in winter 2012)
45 quarter hours required

REQUIRED CORE COURSES

24 quarter hours required
Complete all of the following courses:

LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6135 The Ethical Leader	3 QH
LDR 6400 Sports Management	3 QH
LDR 6405 Sport in Society	3 QH
LDR 6410 Leadership and Organization in Sport	3 QH
LDR 6430 Sports Law	3 QH
LDR 6441* Sports Media Relations	3 QH

Note: Summer institute course; only available on-campus in Boston. Summer institute courses should be taken only after students have completed their first year of classes.
Complete one of the following courses :
(Should be taken as last course within the program and requires faculty advisor approval)

LDR 6961 Internship	1 to 4 QH
LDR 6995 Project	1 to 6 QH

ELECTIVE COURSES

18 quarter hours required
Complete six of the following courses:

CMN 6015 Introduction to the Digital Era: The Power of Social Media	3 QH
LDR 6323 Event Management	3 QH
LDR 6427 Gender and Diversity in Sport	3 QH
LDR 6435 Fiscal Practices in Sports	3 QH
LDR 6440 Sports Marketing and Promotions	3 QH
LDR 6442 Athletic Fund-Raising	3 QH
LDR 6443 Ticket Sales and Strategies	3 QH
LDR 6445 Corporate Sponsorships	3 QH
LDR 6455 NCAA Compliance	3 QH
LDR 6460 Risk Management in Athletics	3 QH
LDR 6465 Title IX	3 QH
LDR 6615 Academic Advising and Life Skills	3 QH
Open elective*	3 QH

Note: Choose one course from any College of Professional Studies graduate program.

Graduate Certificate in Nonprofit Management

PROGRAM OBJECTIVES

Nonprofits today simply require a higher level of management expertise. Nonprofit managers are required to manage people and programs more efficiently and effectively. The Graduate Certificate in Nonprofit Management focuses on developing skills in organizational management, financial management, fund-raising, grant and report writing, human resources management, and governance.

The program integrates theoretical approaches with practical application to prepare students for positions in either small or large nonprofit organizations. The program targets individuals who work in the nonprofit sector as executive directors, managers, program staff, board members, and volunteers. Students have an opportunity to participate in case studies, individual and group projects, and class discussions.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED COURSES

18 quarter hours required
Complete all of the following courses:

NPM 6110 Legal and Governance Issues in Nonprofit Organizations	3 QH
NPM 6120 Financial Management for Nonprofit Organizations	3 QH
NPM 6125 Promoting Nonprofit Organizations	3 QH
NPM 6130 Fund-Raising and Development for Nonprofit Organizations	3 QH
NPM 6140 Grant and Report Writing	3 QH
NPM 6150 Human Resources Management in Nonprofit Organizations	3 QH

Master of Science in Nonprofit Management

Facing the threat of privatization and for-profit competition, nonprofit organizations are challenged to find leaders who not only possess keen business and managerial skills but can also effect change at a community or social level. Being successful in this dynamic and rewarding field requires strong leadership, managerial, and interpersonal skills, as well as in-depth knowledge of fund-raising, marketing, program development, and governance issues.

Integrating theoretical approaches with practical applications, the Master of Science in Nonprofit Management seeks to prepare you for a leadership position in a not-for-profit university, hospital, charity, foundation, or religious organization. This nonprofit degree program seeks to produce graduates well equipped to embark on a career in nonprofit management—prepared, and inspired, to make a meaningful impact.

PROGRAM OBJECTIVES

- Explore leadership practices that contribute to organizational success.
- Understand legal and governance issues in nonprofit organizations.
- Hone your fund-raising skills, including grant and proposal writing.
- Recognize important social, organizational, and cultural change agents.
- Discover traditional and nontraditional ways to promote nonprofits to supporters, the public, and the media.
- Analyze national and international trends, issues, and political shifts affecting the nonprofit marketplace.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED COURSES

24 quarter hours required

Complete all of the following courses:

LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6360 Dynamics of Change at the Community and Social Level	3 QH
NPM 6110 Legal and Governance Issues in Nonprofit Organizations	3 QH
NPM 6120 Financial Management for Nonprofit Organizations	3 QH
NPM 6125 Promoting Nonprofit Organizations	3 QH
NPM 6130 Fund-Raising and Development for Nonprofit Organizations	3 QH
NPM 6140 Grant and Report Writing	3 QH
NPM 6150 Human Resources Management in Nonprofit Organizations	3 QH

ELECTIVE COURSES

6 quarter hours required

Complete two of the following courses:

CMN 6050 Crisis Communication	3 to 6 QH
CMN 6080 Intercultural Communication	3 to 6 QH
COP 6940* Personal and Career Development	1 to 4 QH
LDR 6110 Leading Teams	3 to 6 QH

Note: Enrollment into this course requires participation in the cooperative education program.

CONCENTRATIONS COURSES

15–16 quarter hours required

Choose one of the following concentrations or select any College of Professional Studies graduate certificate.

Global Studies Concentration

16 quarter hours required

Complete the following courses:

GST 6100 Global Basics: Globalization and Global Politics and Economics	4 QH
GST 6101 Global Basics: Global Literacy, Culture, and Community	4 QH
GST 6102 Global Basics: Global Corporate and Social Responsibility	4 QH

Complete one of the following courses:

GST 6210 Global Players: The Developers	4 QH
GST 6340 Global Issues: Poverty and Wealth	4 QH
GST 6610 Sustainable Development	4 QH

Human Services Concentration

15 quarter hours required

Complete all of the following courses:

HSV 6100 Theory and Practice of Human Services	3 QH
HSV 6110 Human Services Management and Development	3 QH
HSV 6160 Introduction to Employee Assistance Programs	3 QH
HSV 6630 Research and Evaluation in Human Services	3 QH
HSV 6640 Policy Issues in Human Services	3 QH

Leadership Concentration

15 quarter hours required

Complete all of the following courses:

LDR 6110 Leading Teams	3 to 6 QH
LDR 6120 Creating Leadership Capacity: Developing Bench Strength	3 to 6 QH
LDR 6125 Managing Organizational Culture	3 QH
LDR 6135 The Ethical Leader	3 QH
LDR 6140 Developing the Strategic Leader	3 to 6 QH

Organizational Communications Concentration

15 quarter hours required

Complete all of the following courses:

CMN 6010 Foundations of Organizational Communication	3 to 6 QH
CMN 6020 Ethical Issues in Organizational Communication	3 QH
CMN 6050 Crisis Communication	3 to 6 QH
CMN 6090 Organizational Culture, Climate, and Communication	3 QH
CMN 6110 Group Dynamics and Interpersonal Conflict: Meeting Management	3 QH

Project Management Concentration

15–16 quarter hours required

Complete the following courses:

PJM 5900* Foundations of Project Management	3 QH
PJM 6000 Project Management Practices	3 QH
PJM 6010 Project Planning and Scheduling	3 QH
PJM 6015 Project Risk Management	3 QH

Note: This course is required for students who do not have at least two years of professional experience working on projects. This course is highly recommended for students who don't have a basic working knowledge of MsProject software. Students with project management experience are not required to take this course.

Complete two** of the following courses:

PJM 6020 Project Cost and Budget Management	3 QH
PJM 6125 Project Evaluation and Assessment	3 QH
PJM 6135 Project Quality Management	3 QH

**Note:* Students who take PJM 5900 are only required to take one course within this section.

Social Media and Online Communities Concentration

15 quarter hours required

Complete five of the following courses:

CMN 6015 Introduction to the Digital Era: The Power of Social Media	3 QH
CMN 6025 Digital Era Skills: Platforms, Tools, and Techniques	3 QH
CMN 6035 Legal, Policy, and Ethical Issues in the Digital Era	3 QH
CMN 6045 Leveraging Digital Technologies: Strategy, Assessment, and Governance	3 QH
CMN 6055 Planning and Design of Social Media Channels and Online Communities	3 QH
CMN 6065 Implementation and Management of Social Media Channels and Online Communities	3 QH

Sports and Social Change Concentration

15 quarter hours required

Complete all of the following courses:

GST 6102 Global Basics: Global Corporate and Social Responsibility	4 QH
HSV 6120 Social Inequality, Social Change, and Community Building	3 QH
LDR 6360 Dynamics of Change at the Community and Social Level	3 QH
LDR 6410 Leadership and Organization in Sport	3 QH
LDR 6427 Gender and Diversity in Sport	3 QH

ORGANIZATIONAL COMMUNICATION

Graduate Certificate in Organizational Communication

PROGRAM OBJECTIVES

The study of organizational communication focuses on the dynamics of communication in complex organizations for the purpose of learning how individuals within such organizations can become effective communicators. Whether the context of such communication is meetings or professional presentations, communicating during a crisis, or intercultural exchanges, the message is consistent: Effective communication is a crucial factor in determining organizational success.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED COURSES

9 quarter hours required

Complete all of the following courses:

CMN 6010 Foundations of Organizational Communication	3 to 6 QH
CMN 6020 Ethical Issues in Organizational Communication	3 QH
CMN 6910* Organizational Communication Assessment	3 to 6 QH

Note: Should be taken as the last course within the program.

ELECTIVE COURSES

9 quarter hours required

Complete two of the following courses:

CMN 6050 Crisis Communication	3 to 6 QH
CMN 6060 Negotiation, Mediation, and Facilitation	3 or 6 QH
CMN 6061 Personal Branding	3 to 6 QH
CMN 6070 Interviewing	3 QH

Complete one of the following courses:

CMN 6015 Introduction to the Digital Era: The Power of Social Media	3 QH
CMN 6080 Intercultural Communication	3 to 6 QH
CMN 6090 Organizational Culture, Climate, and Communication	3 QH
CMN 6100 Communication Networks and Managing Information	3 QH
CMN 6110 Group Dynamics and Interpersonal Conflict: Meeting Management	3 QH

Master of Science in Corporate and Organizational Communication

Across all industries and professions, strong written and oral communication skills are essential to success. Whether you are seeking to advance in a communications-related field or get ahead in your current organization, this program seeks to provide the

practical knowledge and valuable perspectives you need to communicate across a variety of contexts and situations.

From negotiation and writing to crisis management and public speaking, the Master of Science in Corporate and Organizational Communication examines topics that are critical to effective organizational communication. Incorporating best practices, case studies, and classroom learning, courses within this innovative master's degree in communication address complex communication challenges, seeking to provide you with a distinct advantage in today's competitive marketplace.

PROGRAM OBJECTIVES

• Enhance your personal communication skills.
• Examine negotiation, facilitation, and mediation best practices.
• Develop intercultural communication skills and techniques.
• Analyze communication ethics and the issues they present.
• Cultivate a supportive communication climate.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED CORE COURSES

21 quarter hours required
Complete all of the following courses:

CMN 6010 Foundations of Organizational Communication	3 to 6 QH
CMN 6020 Ethical Issues in Organizational Communication	3 QH
CMN 6050 Crisis Communication	3 to 6 QH
CMN 6080 Intercultural Communication	3 to 6 QH
CMN 6090 Organizational Culture, Climate, and Communication	3 QH
CMN 6100 Communication Networks and Managing Information	3 QH
CMN 6910 Organizational Communication Assessment	3 to 6 QH

ELECTIVE COURSES

9 quarter hours required
Complete three of the following courses:

CMN 6060 Negotiation, Mediation, and Facilitation	3 or 6 QH
CMN 6061 Personal Branding	3 to 6 QH
CMN 6070 Interviewing	3 QH
CMN 6110 Group Dynamics and Interpersonal Conflict: Meeting Management	3 QH
CMN 6120 Communicating to and with the Media	3 QH
COP 6940* Personal and Career Development	1 to 4 QH

*Note: Enrollment into this course requires participation in the cooperative education program.

CONCENTRATIONS COURSES

15–16 quarter hours required
Choose one of the following concentrations or select any College of Professional Studies graduate certificate.

Human Resources Management Concentration

15 quarter hours required
Complete all of the following courses:

HRM 6005 Creating a High-Performance Organization: Strategic Organizational and HRM Choices	3 QH
HRM 6010 Total Compensation	3 QH
HRM 6020 Strategic Recruitment, Training, and Performance Management	3 QH
HRM 6030 Employee Rights and Employer Obligations	3 QH
HRM 6040 High-Performance Human Resources Systems and Development	3 QH

Human Services Concentration

15 quarter hours required
Complete all of the following courses:

HSV 6100 Theory and Practice of Human Services	3 QH
HSV 6110 Human Services Management and Development	3 QH
HSV 6120 Social Inequality, Social Change, and Community Building	3 QH
HSV 6160 Introduction to Employee Assistance Programs	3 QH
HSV 6630 Research and Evaluation in Human Services	3 QH

Leadership Concentration

15 quarter hours required
Complete the following courses:

LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6110 Leading Teams	3 to 6 QH
LDR 6120 Creating Leadership Capacity: Developing Bench Strength	3 to 6 QH
LDR 6140 Developing the Strategic Leader	3 to 6 QH

Complete one of the following courses:

LDR 6125 Managing Organizational Culture	3 QH
LDR 6135 The Ethical Leader	3 QH

Project Management Concentration

15 quarter hours required
Complete all of the following courses:

PJM 5900* Foundations of Project Management	3 QH
PJM 6000 Project Management Practices	3 QH
PJM 6010 Project Planning and Scheduling	3 QH
PJM 6015 Project Risk Management	3 QH

* Note: This course is required for students who do not have at least two years of professional experience working on projects. This course is highly recommended for students who don't have a basic working knowledge of MsProject software. Students with project management experience are not required to take this course.

Complete two** of the following courses:

PJM 6020 Project Cost and Budget Management	3 QH
PJM 6125 Project Evaluation and Assessment	3 QH
PJM 6135 Project Quality Management	3 QH

**Note: Students who take PJM 5900 are only required to take one course within this section.

Social Media and Online Communities Concentration

15 quarter hours required

Complete five of the following courses:

CMN 6015 Introduction to the Digital Era: The Power of Social Media	3 QH
CMN 6025 Digital Era Skills: Platforms, Tools, and Techniques	3 QH
CMN 6035 Legal, Policy, and Ethical Issues in the Digital Era	3 QH
CMN 6045 Leveraging Digital Technologies: Strategy, Assessment, and Governance	3 QH
CMN 6055 Planning and Design of Social Media Channels and Online Communities	3 QH
CMN 6065 Implementation and Management of Social Media Channels and Online Communities	3 QH

Sport and Social Change Concentration

16 quarter hours required

Complete all of the following courses:

GST 6102 Global Basics: Global Corporate and Social Responsibility	4 QH
HSV 6120 Social Inequality, Social Change, and Community Building	3 QH
LDR 6360 Dynamics of Change at the Community and Social Level	3 QH
LDR 6410 Leadership and Organization in Sport	3 QH
LDR 6427 Gender and Diversity in Sport	3 QH

PHYSICAL THERAPY

Transitional Doctor of Physical Therapy

Designed for practicing physical therapists, the transitional Doctor of Physical Therapy (DPT) is an innovative, 100 percent online program. Integrating art and science, as well as professional and experiential education, the degree curriculum seeks to provide you with the necessary knowledge base for today's doctorally prepared practitioners.

Core courses within this physical therapy doctoral program include differential diagnosis and medical screening, diagnostic imaging, pharmacology, nutrition, and motor control. The capstone course, "Comprehensive Case Analysis," is a culmination of all work within the transitional DPT curriculum. Students have an opportunity to prepare a comprehensive and publishable case report or other scholarly work in partial fulfillment of the requirement for a transitional DPT degree.

The transitional DPT also includes specializations in a variety of areas such as orthopedics, pediatrics, geriatrics, advanced nutrition, women's health, education, and business management. If you have a unique specialization interest, you may also complete a directed study on a preapproved topic of your choosing.

ADMISSION REQUIREMENTS

Please note that the transitional DPT degree offered through the CPS has the following admission requirements:

- Online application
- Academic transcripts (undergraduate **and** graduate)
- Statement of purpose (500–1,000 words)
- Professional résumé
- Two letters of recommendation
- Interview (selected students only)
- English-language proficiency proof (for non-native English-language speakers)

PROGRAM OBJECTIVES

- Gain the knowledge and skills required to competently screen patients for musculoskeletal, neuromuscular, cardiovascular and pulmonary, and integumentary conditions; interpret clinical findings; and make sound clinical judgments.
- Evaluate the clinical interpretation of various medical imaging techniques, including plain film radiography, magnetic resonance imaging, and computerized tomography.
- Write, refine, and analyze a comprehensive and publishable case report that addresses the patient/client management model, clinical decision-making processes, and resource utilization.
- Examine current motor control concepts, along with state-of-the-art technology and equipment.
- Review advanced pharmacologic management concepts, including the interrelationship between pharmacologic management and physical therapy interventions.

CREDIT REQUIREMENT

The transitional DPT degree is built upon a core of six courses. Beyond the common core, requirements may vary depending on

whether the physical therapist is MSPT or BSPT prepared in addition to the student's past experiences.

For students entering with a Master of Science in Physical Therapy, 26 quarter hours required

REQUIRED COURSES

22 quarter hours required

Complete all of the following courses:

PTH 6100 Differential Diagnosis and Medical Screening	4 QH
PTH 6110 Diagnostic Imaging	4 QH
PTH 6120 Clinical Nutrition	3 QH
PTH 6130 Pharmacology	3 QH
PTH 6140 Motor Control	4 QH
PTH 6900 Comprehensive Case Analysis	4 QH

ELECTIVE COURSES

4 quarter hours required

Complete one of the following courses:

PTH 6200 Research Methods and Statistical Analysis	5 QH
PTH 6220* Fostering Change in Health Behavior	4 QH
PTH 6235 Administrative and Management Keys for Contemporary Physical Therapist Practice	4 QH
PTH 6400 Orthopedics: Shoulder	4 QH
PTH 6402 Orthopedics: The Cervical Spine	4 QH
PTH 6403 Orthopedics: Foot and Ankle	4 QH
PTH 6430* Educational Strategies for Effective Health-Care Delivery	4 QH
PTH 6450 Orthopedics: Recent Advances for the Knee—Evaluation and Interventions	4 QH
PTH 6480 Evidence-Based Exercise for the Older Adult	4 QH
PTH 6490 Pediatric Physical Therapy: Emerging Topics and Evidence-Based Practice	4 QH
PTH 6983 Topics in Physical Therapy	4 QH
PTH 6985 Psychosocial and Emotional Challenges Facing Older Adults	4 QH

Note: These elective courses may only be taken by MSPT students.

For students entering with a Bachelor of Science in Physical Therapy, 35 quarter hours required

REQUIRED COURSES

31 quarter hours required

Complete the following courses:

PTH 6100 Differential Diagnosis and Medical Screening	4 QH
PTH 6110 Diagnostic Imaging	4 QH
PTH 6120 Clinical Nutrition	3 QH
PTH 6130 Pharmacology	3 QH
PTH 6140 Motor Control	4 QH
PTH 6200 Research Methods and Statistical Analysis	5 QH
PTH 6900 Comprehensive Case Analysis	4 QH

Complete one of the following courses:

PTH 6220 Fostering Change in Health Behavior	4 QH

PTH 6235 Administrative and Management Keys for Contemporary Physical Therapist Practice	4 QH
PTH 6430 Educational Strategies for Effective Health-Care Delivery	4 QH

ELECTIVE COURSES

4 quarter hours required

Complete one elective course:

PTH 6200 Research Methods and Statistical Analysis	5 QH
PTH 6235 Administrative and Management Keys for Contemporary Physical Therapist Practice	4 QH
PTH 6400 Orthopedics: Shoulder	4 QH
PTH 6402 Orthopedics: The Cervical Spine	4 QH
PTH 6403 Orthopedics: Foot and Ankle	4 QH
PTH 6450 Orthopedics: Recent Advances for the Knee—Evaluation and Interventions	4 QH
PTH 6480 Evidence-Based Exercise for the Older Adult	4 QH
PTH 6490 Pediatric Physical Therapy: Emerging Topics and Evidence-Based Practice	4 QH
PTH 6983 Topics in Physical Therapy	4 QH
PTH 6985 Psychosocial and Emotional Challenges Facing Older Adults	4 QH

<div style="background:red;color:white">PROJECT MANAGEMENT</div>

Graduate Certificate in Project Management

PROGRAM OBJECTIVES

Technical and managerial employees at all levels of organizations are being asked to manage small and large projects. Many of these professionals have not been specifically trained to effectively and efficiently manage projects. The task of managing projects has its own body of knowledge. This program seeks to provide the practical and theoretical knowledge for which the Project Management Institute tests, and it is expected that individuals who successfully complete this program will be capable of fulfilling the education requirements of the Project Management Professional (PMP) certification exam.

This certificate program in project management is designed with sufficient course flexibility to accommodate professionals with various levels of project management experience. Project management principles are applicable to both manufacturing and service industries, including professionals in fields such as software engineering, construction management, and financial services.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED COURSES

9 quarter hours required
Complete all of the following courses:

PJM 6000 Project Management Practices	3 QH
PJM 6010 Project Planning and Scheduling	3 QH
PJM 6015 Project Risk Management	3 QH

ELECTIVE COURSES

9 quarter hours required
Complete three of the following courses:

CMN 6060 Negotiation, Mediation, and Facilitation	3 or 6 QH
LDR 6110 Leading Teams	3 to 6 QH
PJM 6020 Project Cost and Budget Management	3 QH
PJM 6125 Project Evaluation and Assessment (recommended as the last course within the program)	3 QH
PJM 6135 Project Quality Management	3 QH
PJM 6140 Managing Troubled Projects	3 QH
PJM 6145 Global Project Management	3 QH

Master of Science in Project Management

Companies succeed or fail based on their ability to bring quality products and services to market in a timely manner. Without skilled project managers in place, companies are challenged to deliver projects on time, on budget, and according to specifications. From inception to completion, project managers are responsible for every step in the process: project definition, cost and risk estimation, schedule planning and monitoring, budget management, negotiation and conflict resolution, project leadership, and project presentation and evaluation.

The Master of Science in Project Management is designed to provide you with the practical skills and theoretical concepts you need to lead complex projects. Featuring real-world case studies, this project management degree presents techniques and tools for managing long- and short-term projects successfully and cost-effectively. Augmenting the core project management courses are concentrations that seek to provide you with content-specific expertise that enables you to deepen your knowledge in your field of interest.

In September of 2009, the Master of Science in Project Management received accreditation by the Project Management Institute's Global Accreditation Center (GAC), the world's leading association for project management professionals. Accreditation is achieved by meeting the GAC's rigorous standards, which include an assessment of program objectives and outcomes, a review of on-site and online resources, evaluations of faculty and students, and proof of continuous improvements in the area of project management.

PROGRAM OBJECTIVES

- Effectively manage multiple, sometimes interrelated, complex projects.
- Implement enterprise-level project portfolio management (PPM) based upon an organization's strategic business goals.
- Avoid common project management pitfalls.
- Develop metrics for determining and reporting project performance.

CREDIT REQUIREMENT

45–47 quarter hours required

REQUIRED COURSES

21–22 quarter hours required
Complete all of the following courses:

PJM 5900* Foundations of Project Management	3 QH
PJM 6000 Project Management Practices	3 QH
PJM 6010 Project Planning and Scheduling	3 QH
PJM 6705 Portfolio Management in the Enterprise Environment	3 QH
PJM 6910 Capstone	3 QH

Note: This course is required for students who do not have at least two years of professional experience working on projects. This course is highly recommended for students who don't have a basic working knowledge of MsProject software. Students with project management experience are not required to take this course.

Complete three** of the following courses:

PJM 6005 Project Scope Management	3 QH
PJM 6015 Project Risk Management	3 QH
PJM 6020 Project Cost and Budget Management	3 QH
PJM 6135 Project Quality Management	3 QH
PJM 6140 Managing Troubled Projects	3 QH
PJM 6145 Global Project Management	3 QH

**Note:* Students who take PJM 5900 are only required to take two courses in this section.

ELECTIVE COURSES

9 quarter hours required

Complete three of the following courses:

CMN 6015 Introduction to the Digital Era: The Power of Social Media	3 QH
CMN 6060 Negotiation, Mediation, and Facilitation	3 or 6 QH
CMN 6110 Group Dynamics and Interpersonal Conflict: Meeting Management	3 QH
COP 6940* Personal and Career Development	1 to 4 QH
LDR 6110 Leading Teams	3 to 6 QH
LDR 6135 The Ethical Leader	3 QH

Note: Enrollment into this course requires participation in the cooperative education program.

CONCENTRATIONS COURSES

15–16 quarter hours required

Clinical Trial Design Concentration

16 quarter hours required

Complete all of the following courses:

BTC 6211 Validation and Auditing of Clinical Trial Information	4 QH
BTC 6213 Clinical Trial Design Optimization and Problem Solving	4 QH
PMC 6212 Clinical Drug Development Data Analysis: Concepts	4 QH
RGA 6210 Strategic Planning and Project Management for Regulatory Affairs	4 QH

Construction Management Concentration

15 quarter hours required

Complete all of the following courses:

CMG 6400 Introduction to Construction Management	4 QH
CMG 6402 Alternative Project Delivery Methods and Project Controls	4 QH
CMG 6403 Safety, Project Risk, and Quality Management	4 QH
LDR 6110 Leading Teams	3 to 6 QH

Geographic Information Systems Concentration

15 quarter hours required

Complete the following courses:

GIS 5101 Introduction to Geographic Information Systems	3 QH
GIS 5102 Fundamentals of GIS Analysis	3 QH
GIS 5201 Advanced Spatial Analysis	3 QH
RMS 5105 Fundamentals of Remote Sensing	3 QH

Complete one of the following courses:

GIS 6340 GIS Customization	3 QH
GIS 6350 GIS Management and Implementation	3 QH
GIS 6370 Internet-Based GIS	3 QH
GIS 6390 Business Applications of Geographic Information Systems	3 QH
GIS 6391 Health-Care Applications of Geographic Information Systems	3 QH

Information Security Management Concentration

15 quarter hours required

Complete the following courses:

ITC 6300 Foundations of Information Security	3 QH
ITC 6310 Information Security Governance	3 QH
ITC 6315 Information Security Risk Management	3 QH
ITC 6320 Information Security Technology	3 QH

Complete one of the following courses:

ITC 6305 IT Infrastructure (Systems, Networks, Telecom)	3 QH
ITC 6345 Systems and Network Administration	3 QH
MIS 6080 Network Security Concepts	4 QH
MIS 6082 Network Protection	4 QH

Leadership Concentration

15 quarter hours required

Complete the following courses:

LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6110 Leading Teams	3 to 6 QH
LDR 6120 Creating Leadership Capacity: Developing Bench Strength	3 to 6 QH
LDR 6140 Developing the Strategic Leader	3 to 6 QH

Complete one of the following courses:

LDR 6125 Managing Organizational Culture	3 QH
LDR 6135 The Ethical Leader	3 QH

Organizational Communication Concentration

15 quarter hours required

Complete all of the following courses:

CMN 6010 Foundations of Organizational Communication	3 to 6 QH
CMN 6020 Ethical Issues in Organizational Communication	3 QH
CMN 6050 Crisis Communication	3 to 6 QH
CMN 6090 Organizational Culture, Climate, and Communication	3 QH
CMN 6110 Group Dynamics and Interpersonal Conflict: Meeting Management	3 QH

<div style="background:red;color:white">REGULATORY AFFAIRS</div>

Graduate Certificate in Biopharmaceutical Domestic Regulatory Affairs

PROGRAM OBJECTIVES

As biotechnology, pharmaceutical, and medical device companies rapidly seek federal approval for products, demand is growing for qualified regulatory affairs professionals. Scientists developing new products and legal experts guiding them through the Food and Drug Administration (FDA) approval process will benefit from regulatory affairs training.

The Graduate Certificate in Biopharmaceutical Domestic Regulatory Affairs is designed to provide students with a greater understanding of medical device regulation and the industry's unique software development and validation issues. The program also seeks to prepare students to assure compliance, reduce costs, and improve techniques governing acquisition and measurement. Students have an opportunity to develop a vocabulary of over 750 acronyms and technical/regulatory words in which FDA has applied its own distinctive meaning. Courses from this certificate may be applied toward the Master of Science in Regulatory Affairs for Drugs, Biologics, and Medical Devices.

CREDIT REQUIREMENT

16–17 quarter hours required

REQUIRED COURSES

16–17 quarter hours required
Complete the following courses:

RGA 6200 Biologics Development: A Regulatory Overview	4 QH
RGA 6201 New Drug Development: A Regulatory Overview	4 QH
RGA 6202 Medical Device Development: A Regulatory Overview	4 QH

Complete one of the following courses:

RGA 6203 Food, Drug, and Medical Device Law: Topics and Cases	5 QH
RGA 6206 Practical Aspects of Regulatory Compliance	4 QH
RGA 6210 Strategic Planning and Project Management for Regulatory Affairs	4 QH
RGA 6211 Combination Products and Convergence	4 QH
RGA 6212 Safety Sciences 1: Introduction to Safety and Surveillance	4 QH
RGA 6214 The Food and Drug Administration: Creation, Behavior, Regulatory Culture	4 QH
RGA 6216 The Medical, Social, and Financial Dimensions of Orphan Drugs	4 QH
RGA 6217 Biomedical Product Development: From Biotech to Boardroom to Market	4 QH
TCC 6370 Regulatory Writing: Medical Device Submissions	4 QH
TCC 6380 Regulatory Writing: New Drug Applications	4 QH

Graduate Certificate in Biopharmaceutical International Regulatory Affairs

PROGRAM OBJECTIVES

The need to understand international regulations affecting the business of biotechnology and pharmaceutical companies becomes imperative in the global marketplace.

The Graduate Certificate in Biopharmaceutical International Regulatory Affairs curriculum focuses on reforms that facilitate the safety of global commerce. Students are trained to assess international regulations and to provide an interpretation of their likely impact on the company. As a result of the program, students have an opportunity to gain an understanding of international regulatory requirements for countries where new products will be marketed.

Course work covers product approval processes, regulatory analysis, and liability laws. With the rapid expansion of local companies joining the global market, attorneys; paralegals; and biotechnology, pharmaceutical, and medical device researchers will benefit from understanding compliance and international regulations, as well as how to streamline the regulatory process. Courses from this certificate may be applied toward the Master of Science in Regulatory Affairs for Drugs, Biologics, and Medical Devices.

CREDIT REQUIREMENT

16 quarter hours required

REQUIRED COURSES

16 quarter hours required
Complete the following courses:

RGA 6220 Global Biotechnology Product Registration: E.U., U.S. Product Regulation	4 QH
RGA 6221 European Union Compliance Process and Regulatory Affairs	4 QH

Complete two of the following courses:

RGA 6210 Strategic Planning and Project Management for Regulatory Affairs	4 QH
RGA 6212 Safety Sciences 1: Introduction to Safety and Surveillance	4 QH
RGA 6222 European Medical Device Regulations	4 QH
RGA 6223 Introduction to Canada, Asian, and Latin American Regulatory Affairs	4 QH
RGA 6225 Japanese Medical Device Regulations and Registration	4 QH
RGA 6226 Canadian and Australian Medical Device Regulations	4 QH
RGA 6227 Emerging Medical Device Markets	4 QH
RGA 6228 Managing International Clinical Trials	4 QH

Graduate Certificate in Medical Devices Regulatory Affairs

PROGRAM OBJECTIVES

The medical device industry has continued to experience healthy market growth despite the sluggishness of the national economy. In fact, the industry's support of research and development efforts is expected to top $194 billion this year. There are over 7,000 medical device companies in the United States, and nearly 1,000 of these are based in Massachusetts. In total, the medical device sector in Massachusetts employs 36,000 workers, has a payroll of over $1.8 billion, and annual shipments of $7.3 billion.

The Graduate Certificate in Medical Devices Regulatory Affairs provides an in-depth knowledge of the regulations and standards that apply to the development of medical devices, including those products not specifically regulated by federal law. The program reviews the global applications of the medical device industry. Students have an opportunity to conduct practical, in-depth analysis on how emerging developments and trends are reshaping medical devices regulation in the United States. The program also focuses on the social and financial impact of the medical devices industry on the aging population.

Courses from this certificate may be applied toward the Master of Science in Regulatory Affairs for Drugs, Biologics, and Medical Devices.

CREDIT REQUIREMENT

16–17 quarter hours required

REQUIRED COURSES

8 quarter hours required

Complete the following two courses:

RGA 6202 Medical Device Development: A Regulatory Overview	4 QH
RGA 6205 Emerging Trends and Issues in the Medical Device Industry	4 QH

ELECTIVE COURSES

8–9 quarter hours required

Complete two of the following courses:

BTC 6260 The Business of Medicine and Biotechnology	4 QH
ITP 6305 Technology Licensing	4 QH
RGA 6112 Biomedical Intellectual Property Management: Patents	4 QH
RGA 6203 Food, Drug, and Medical Device Law: Topics and Cases	5 QH
RGA 6211 Combination Products and Convergence	4 QH
RGA 6222 European Medical Device Regulations	4 QH
RGA 6225 Japanese Medical Device Regulations and Registration	4 QH
RGA 6226 Canadian and Australian Medical Device Regulations	4 QH
RGA 6227 Emerging Medical Device Markets	4 QH
TCC 6370 Regulatory Writing: Medical Device Submissions	4 QH

Master of Science in Regulatory Affairs for Drugs, Biologics, and Medical Devices

Ever-changing laws and regulations are driving demand for regulatory affairs professionals who can help companies effectively bring medical products to market. Seeking to prepare you to effectively manage regulatory activities, Northeastern University's College of Professional Studies offers the Master of Science in Regulatory Affairs for Drugs, Biologics, and Medical Devices.

This unique graduate degree is designed to deepen your understanding of current regulations and their practical application in the development and commercialization of drugs, biologics, and medical device products. Regulatory affairs courses within this program seek to provide you with the integrated knowledge and broad perspectives you need to effectively manage the regulatory process. From discovery to commercialization, this regulatory affairs master's degree covers the steps that are required to bring a medical product to market, both in the United States and around the globe.

PROGRAM OBJECTIVES

- Gain the essential knowledge and skills required to help companies navigate an increasingly complex regulatory environment.
- Acquire the foundation necessary to work within a variety of fields, including medical product development, pharmaceutical sales, strategic marketing, and clinical investigations.
- Examine every step of the drug development and regulation process.
- Sharpen your understanding of the laws that govern the development, manufacturing, and commercial distribution of drugs, biologics, and medical devices.
- Analyze how emerging developments and trends are reshaping medical device regulations.

CREDIT REQUIREMENT

45 quarter hours required

REQUIRED COURSES

25 quarter hours required

Complete all of the following courses:

BTC 6210 Human Experimentation: Methodological Issues Fundamentals	4 QH
RGA 6100 Introduction to Drug and Medical Device Regulation	4 QH
RGA 6200 Biologics Development: A Regulatory Overview	4 QH
RGA 6201 New Drug Development: A Regulatory Overview	4 QH
RGA 6202 Medical Device Development: A Regulatory Overview	4 QH
RGA 6203* Food, Drug, and Medical Device Law: Topics and Cases	5 QH

Note: This course should be taken as the final required course.

Note: Completion of RGA 6280 Advanced Writing on International Biomedical Topics may be required of students as a condition for their continued enrollment in this program.

BUSINESS AND LAW COURSES

4 quarter hours required

Complete one of the following courses:

BTC 6260 The Business of Medicine and Biotechnology	4 QH
RGA 6110 Understanding the Health-Care Landscape	4 QH
RGA 6214 The Food and Drug Administration: Creation, Behavior, Regulatory Culture	4 QH
RGA 6216 The Medical, Social, and Financial Dimensions of Orphan Drugs	4 QH
RGA 6217 Biomedical Product Development: From Biotech to Boardroom to Market	4 QH
RGA 6218 Regulatory Affairs in an Entrepreneurial Environment	4 QH
RGA 6219 The Advertising and Promotion of Drug and Medical Device Products	4 QH
RGA 6235 Emerging Product Categories in the Regulation of Drugs and Biologics	4 QH

SAFETY AND SURVEILLANCE COURSES

4 quarter hours required

Complete one of the following courses:

BTC 6211 Validation and Auditing of Clinical Trial Information	4 QH
RGA 6212 Safety Sciences 1: Introduction to Safety and Surveillance	4 QH
RGA 6213 Safety Science 2: Safety Surveillance, Pharmacoepidemiology, Risk	4 QH
RGA 6230 Clinical Laboratory Management in Clinical Trials	4 QH
RGA 6233 Application of Quality System Regulation in Medical Device Design and Manufacturing	4 QH
RGA 6234 Drug Device Supplier Risk Management: Compliance and Processes	4 QH
RGA 6280* Advanced Writing on International Biomedical Topics	4 QH
TCC 6310 Regulatory Documentation Processes	4 QH
TCC 6370 Regulatory Writing: Medical Device Submissions	4 QH
TCC 6380 Regulatory Writing: New Drug Applications	4 QH

Note: Completion of this course may be required of students as a condition for their continued enrollment in this program.

DEVELOPMENT AND STRATEGY COURSES

4 quarter hours required

Complete one of the following courses:

BTC 6213 Clinical Trial Design Optimization and Problem Solving	4 QH
PMC 6212 Clinical Drug Development Data Analysis: Concepts	4 QH
RGA 6112 Biomedical Intellectual Property Management: Patents	4 QH

RGA 6205 Emerging Trends and Issues in the Medical Device Industry	4 QH
RGA 6210 Strategic Planning and Project Management for Regulatory Affairs	4 QH
RGA 6211 Combination Products and Convergence	4 QH
RGA 6215 Project Management in Early Drug Discovery and Development	4 QH
RGA 6228 Managing International Clinical Trials	4 QH
RGA 6245 Regulation of Generic Pharmaceutical and Biosimilar Products	4 QH
RGA 6250 Financing and Reimbursement in Biomedical Product Development	4 QH

INTERNATIONAL COURSES

4 quarter hours required

Complete one of the following courses:

RGA 6220 Global Biotechnology Product Registration: E.U., U.S. Product Regulation	4 QH
RGA 6221 Eurpoean Union Compliance Process and Regulatory Affairs	4 QH
RGA 6222 European Medical Device Regulations	4 QH
RGA 6223 Introduction to Canada, Asian, and Latin American Regulatory Affairs	4 QH
RGA 6225 Japanese Medical Device Regulations and Registration	4 QH
RGA 6226 Canadian and Australian Medical Device Regulations	4 QH
RGA 6227 Emerging Medical Device Markets	4 QH
RGA 6228 Managing International Clinical Trials	4 QH
RGA 6240 The Evolving Indian Regulatory Landscape	4 QH

ELECTIVE COURSES

1–4 quarter hours required

Complete one of the following courses or one additional elective from any of the other categories:

COP 6940* Personal and Career Development	1 to 4 QH
RGA 6206 Practical Aspects of Regulatory Compliance	4 QH

*Note: Enrollment in this course requires participation in the cooperative education program (subject to availability). Students must also take RGA 6920 (1 QH) to meet the 4-QH elective course requirement. Effective spring 2012, all students in this program are required to complete both RGA 6100 and BTC 6210 before enrolling in COP 6940.

REMOTE SENSING

Graduate Certificate in Remote Sensing

PROGRAM OBJECTIVES

Remote sensing is the measurement of information by a recording device that is not in physical contact with the object being measured. In practice, remote sensing is the utilization at a distance (as from aircraft, space shuttle, spacecraft, satellite, or ship) of any device for gathering information about the environment. The term remote sensing is most often applied to terrestrial and weather observations but can be applied to planetary environments and astronomy. Remote sensing is applicable to many other situations, including land-use change, pollution tracking, land-use and planning, transportation systems, and military observation.

The online Graduate Certificate in Remote Sensing aims to make education and training in remote sensing available to adult and professional students. The remote sensing certificate program seeks to produce students who are well versed in remote sensing theory, who have hands-on exposure to remote sensing software and hardware, and who have learned how to extract pertinent data from remotely sensed data sets. This six-course certificate program seeks to provide students with the necessary skills and understanding to apply remote sensing knowledge competently and effectively in a variety of areas.

CREDIT REQUIREMENT

18 quarter hours required

REQUIRED CORE COURSES

6 quarter hours required
Complete all of the following courses:

RMS 5105 Fundamentals of Remote Sensing	3 QH
RMS 6110 Digital Image Processing	3 QH

ELECTIVE COURSES

12 quarter hours required
Complete four of the following courses:

RMS 6220 Geographic Information Systems for Remote Sensing	3 QH
RMS 6230 Remote Sensing and Global Change	3 QH
RMS 6240 Introduction to Radar and LIDAR Remote Sensing	3 QH
RMS 6250 Remote Sensing of Vegetation	3 QH
RMS 6260 Remote Sensing for Archaeology	3 QH
RMS 6270 Remote Sensing for Disaster Management	3 QH
RMS 6280 Automated and Assisted Feature Extraction Techniques	3 QH
RMS 6290 Spectroscopic Image Analysis	3 QH
RMS 6292 Photogrammetry and GPS	3 QH

RESPIRATORY CARE

Master of Science in Respiratory Care Leadership

Emerging environmental issues, recent technological advances, and a growing elderly population are escalating the need for skilled respiratory therapists. To be successful, today's respiratory care leaders must be skilled educators, practitioners, and case managers. In response, Northeastern University's College of Professional Studies has developed the Master of Science in Respiratory Care Leadership.

Created for practicing respiratory therapists, this master's degree in respiratory care incorporates an action-learning approach that seeks to build leadership competencies and to advance your clinical knowledge. Core respiratory care courses cover areas such as advanced cardiopulmonary physiology and research design. In addition, you have the opportunity to focus your studies in one of six concentrations: adult and organizational learning, clinical trial design, health management, higher education administration, nonprofit management, and regulatory affairs.

PROGRAM OBJECTIVES

- Develop and evaluate strategies for appointment to leadership positions.
- Prepare and evaluate plans for career advancement.
- Evaluate the leadership challenges facing the respiratory therapy industry.
- Describe and interpret statistical tests applied to medical research data.
- Apply evidence-based medicine to clinical practice.
- Review and evaluate published research.
- Analyze and apply research-based evidence.
- Evaluate respiratory therapists' evolving roles and responsibilities.
- Compare and contrast the political and economic factors that affect the field of respiratory therapy.

CREDIT REQUIREMENT

43–44 quarter hours required

REQUIRED RESPIRATORY CARE COURSES

16 quarter hours required
Complete all of the following courses:

RPT 6970 Seminar	1 to 4 QH
RPT 7200 Advanced Cardiopulmonary Physiology	3 QH
RPT 7205 The Evolving Roles of Respiratory Care Professionals	3 QH
RPT 7210 Research Design	4 QH
RPT 7215 Applied Research in Respiratory Care	3 QH

REQUIRED LEADERSHIP COURSES

12 quarter hours required
Complete all of the following courses:

LDR 6100 Developing Your Leadership Capability	3 to 6 QH
LDR 6110 Leading Teams	3 to 6 QH

LDR 6135 The Ethical Leader	3 QH
LDR 6140 Developing the Strategic Leader	3 to 6 QH

Note: Leadership courses are offered in both online and on-campus formats.

CONCENTRATIONS COURSES

15–16 quarter hours required

Choose one of the following concentrations:

Adult and Organizational Learning Concentration

15–16 quarter hours required

Complete five of the following courses:

EDU 6051 Race and Ethnicity in Education	4 QH
EDU 6211 New Directions for Adult Learning	3 QH
EDU 6212 Needs and Competencies Assessment	3 QH
EDU 6213 Curriculum and Program Development	3 QH
EDU 6214 Facilitation and Instruction	3 QH
EDU 6230 Program Evaluation and Assessment	4 QH

Clinical Trial Design Concentration

16 quarter hours required

Complete all of the following courses:

BTC 6210 Human Experimentation: Methodological Issues Fundamentals	4 QH
BTC 6211 Validation and Auditing of Clinical Trial Information	4 QH
BTC 6213 Clinical Trial Design Optimization and Problem Solving	4 QH
PMC 6212 Clinical Drug Development Data Analysis: Concepts	4 QH

Health Management Concentration

15 quarter hours required

Complete five of the following courses:

HMG 6110 Organization, Administration, Financing, and History of Health Care	3 QH
HMG 6120 Human Resource Management in Health Care	3 QH
HMG 6130 Health-Care Strategic Management	3 QH
HMG 6140 Principles of Population-Based Management	3 QH
HMG 6160 Health-Care Information Systems Management	3 QH
HMG 6170 Health Law, Politics, and Policy	3 QH

Higher Education Administration Concentration

15 quarter hours required

Complete the following two courses:

EDU 6200 Management of Higher Education Institutions	3 QH
EDU 6210 Faculty: Evolving Roles	3 QH

Complete three of the following courses:

EDU 6211 New Directions for Adult Learning	3 QH
EDU 6215 Higher Education Law	3 QH
EDU 6220 Retention and Enrollment Strategies	3 QH
EDU 6225 Cases in Higher Education Management: Capstone	4 QH

Nonprofit Management Concentration

15 quarter hours required

Complete five of the following courses:

NPM 6110 Legal and Governance Issues in Nonprofit Organizations	3 QH
NPM 6120 Financial Management for Nonprofit Organizations	3 QH
NPM 6125 Promoting Nonprofit Organizations	3 QH
NPM 6130 Fund-Raising and Development for Nonprofit Organizations	3 QH
NPM 6140 Grant and Report Writing	3 QH
NPM 6150 Human Resources Management in Nonprofit Organizations	3 QH

Regulatory Affairs Concentration

16–17 quarter hours required

Complete the following courses:

RGA 6202 Medical Device Development: A Regulatory Overview	4 QH
RGA 6205 Emerging Trends and Issues in the Medical Device Industry	4 QH

Complete two of the following courses:

BTC 6260 The Business of Medicine and Biotechnology	4 QH
ITP 6305 Technology Licensing	4 QH
RGA 6203 Food, Drug, and Medical Device Law: Topics and Cases	5 QH
RGA 6222 European Medical Device Regulations	4 QH
RGA 6223 Introduction to Canada, Asian, and Latin American Regulatory Affairs	4 QH

Master of Science in Technical Communication

A proliferation of new technologies and applications has heightened the call for professionals who can communicate complex technical ideas succinctly and articulately. In response, Northeastern University's College of Professional Services offers the Master of Science in Technical Communication.

This online master's degree is designed to improve your technical communication skills and to provide you with a foundation for applying those skills across a variety of contexts. With two concentrations from which to choose—biomedical writing or computer industry writing—this graduate degree in technical communication seeks to prepare you for a rewarding career as a technical writer, editor, tool expert, or technical trainer.

PROGRAM OBJECTIVES

- Become adept at organizing, creating, and writing technical communications.
- Review key presentation principles, including how to use visuals to organize and deliver content.
- Assess the different levels of editing: developmental, technical, and copyediting.
- Discover how to tailor a technical presentation to a specific audience.
- Evaluate the differences in prose style and determine when they should be used.
- Discuss legal, ethical, and cultural issues pertaining to technical communication.
- Learn how to create end-user and developer documentation.
- Strengthen your interviewing skills in order to effectively obtain technical information.

CREDIT REQUIREMENT

46 quarter hours required

REQUIRED COURSES

20 quarter hours required

Complete all of the following courses:

TCC 6100 Introduction to Technical and Professional Writing	4 QH
TCC 6102 Editing Technical Content	4 QH
TCC 6110 Information Architecture	4 QH
TCC 6120 Usability and User Experience	4 QH
TCC 6850* Technical Communications Capstone Project	4 QH

Note: Should be taken as the final course in the program

CONCENTRATIONS COURSES

16 quarter hours

If students prefer to focus their studies on a particular concentration, they may complete 16 quarter hours from one of the concentrations below and complement their studies with 10 quarter hours of elective courses (listed at the end of the curriculum) to meet the minimum 46-quarter-hour degree requirement. Students are not required to complete a concentration. Any combination of 26 quarter hours from concentration and elective courses will satisfy degree requirements.

Biomedical Writing Concentration

Complete the following course:

TCC 6330 Information Strategies for Biomedical Writers	4 QH

Complete three of the following courses:

TCC 6310 Regulatory Documentation Processes	4 QH
TCC 6320 The Role of a Technical Communicator in a Biotech Start-Up	4 QH
TCC 6350 Ethical and Legal Issues in Biomedical Communication	4 QH
TCC 6360 Research in Biomedical Communication	4 QH
TCC 6370 Regulatory Writing: Medical Device Submissions	4 QH
TCC 6380 Regulatory Writing: New Drug Applications	4 QH
TCC 6520 Marketing Writing	4 QH

Computer Industry Writing Concentration

Complete four of the following courses:

TCC 6400 Structured Documentation	4 QH
TCC 6430 Writing for the Computer Industry	4 QH
TCC 6440 Advanced Writing for the Computer Industry	4 QH
TCC 6450 Managing Technical Publications	4 QH
TCC 6460 Information Management	4 QH
TCC 6520 Marketing Writing	4 QH

ELECTIVE COURSES

10 quarter hours required

DGM 6500 Working with Digital Images	2 QH
DGM 6501 Web Creation Boot Camp	2 QH
DGM 6503 Flash Intensive	2 QH
DGM 6506 Introduction to Digital Video	2 QH
DGM 6509 Integrated Suite Workshop	2 QH
DGM 6511 Web Creation Boot Camp 2	2 QH
TCC 6470 Web Accessibility for Technical Communicators	4 QH
TCC 6480 Instructional Design Technical Communicators	4 QH
TCC 6610 Prototyping	2 QH
TCC 6620 Collecting User Data	2 QH
TCC 6630 Introduction to XML	2 QH
TCC 6640 Wiki-Based Documentation	2 QH
TCC 6650 Practical Issues in Biomedical Publishing	2 QH
TCC 6660 Biostatistics for Medical Writers	2 QH

College of Science

www.northeastern.edu/cos/graduate

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The College of Science seeks to offer advanced students outstanding academics and real-world research experience on cutting-edge research opportunities in both discipline-based and interdisciplinary fields that are at the forefront of discovery, invention, and innovation. These doctoral, master's, and professional degree programs in the physical sciences, life sciences, and mathematics seek to give students a deep understanding of emerging fields such as chemical biology, cognition and neuroscience, environmental and marine science, biochemistry, nanoscience, and network science, seeking to prepare them to enter the science workforce in the academy, government, or private sector.

BIOLOGY

www.biology.neu.edu

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Graduate Coordinator for Marine Biology: Sal Genovese, PhD, *Director of Three Seas Program and Professional Science Master's Program in Marine Biology,* s.genovese@neu.edu
Graduate Programs booklet: www.northeastern.edu/casgraduate /science/biology/documents/biology.pdf

The biology PhD and MS programs seek to provide a broad background knowledge base in conjunction with in-depth study of a specialized area of biology. The programs emphasize close interaction between graduate students and faculty members in developing the intellectual and experimental skills required for creative, independent research. The professional science master's programs seek to prepare students to enter the research management and technology transfer fields.

The PhD program entails course work from a core biology curriculum along with advanced courses in the student's area of research interest. This is complemented by intensive research and completion of a dissertation under faculty supervision. Faculty research includes biochemistry, microbiology, cell and molecular biology, developmental and neurobiology, marine biology, and ecology and evolution. Financial support (teaching assistantships or research assistantships) is normally provided for students admitted to this program and who are making good progress toward completion of their degree. The MS program includes the same course work, research under faculty supervision, and completion of a written MS thesis.

The Master of Science in Bioinformatics and Computational Molecular Biology is a professional program that consists of four parts: fundamental courses, core courses, internship, and electives.

All courses are available in the late afternoon or evening to accommodate those who are employed during the day.

The Professional Master of Science in Biotechnology seeks to provide students with a common core of knowledge in biotechnology, with particular emphasis on their ability to integrate knowledge across disciplinary boundaries. Specific objectives are to provide students with didactic and practical knowledge in genomics, proteomics, and other bio-analytical approaches (molecular biotechnology); in drug discovery, development, and delivery (pharmaceutical biotechnology); and in bioprocess development and optimization (process development).

The Professional Masters Program in Marine Biology seeks to provide the advanced skill set needed to pursue an entry- to midlevel career in marine research or can serve as a springboard into the nation's top PhD programs in marine biology. This fifteen-month full-time program is offered in conjunction with Northeastern University's Three Seas Program. In addition to completing the Three Seas Program curriculum for graduate credit, students have an opportunity to conduct additional course work; a research project (but not a formal thesis); and a six-month internship with academic research scientists, state and federal agencies, or private consulting firms. Now in its twenty-ninth year, the Three Seas Program has an impressive record: Our alumni routinely gain admission to the top PhD programs in the country, publish quality research, and are leaders in their fields.

MS in Biology

GENERAL REQUIREMENTS

BIOL 5100 Biology Colloquium	1 SH
Two courses from the following list: BIOL 6303, 6399, 6401, 6403	8 SH
BIOL 7399 Research Problem Solving, Ethics, and Communication Skills	4 SH
Biology or other approved electives	15 SH
BIOL 7990 Thesis	1 SH

MS in Bioinformatics

YEAR 1, FALL SEMESTER

BIOL 6308 Bioinformatics Computational Methods 1	4 SH

YEAR 1, SPRING SEMESTER

BIOL 6309 Bioinformatics Computational Methods 2	4 SH

GENERAL REQUIREMENTS

BIOL 6200 Bioinformatics Programming	4 SH
BIOL 6381 Ethics in Biological Research	2 SH
BIOL 7385 Bioinformatics Seminar	2 SH
BIOL 8964 Co-op Work Experience	0 SH
MATH 7340 Statistics for Bioinformatics	4 SH
Graduate electives	12 SH

MS in Biotechnology—Molecular Track

MS in Biotechnology—Pharmaceutical Track

MS in Biotechnology—Process Development Track

See Bouvé College of Health Sciences interdisciplinary programs, page 103, for curriculum information.

MS in Marine Biology

YEAR 1, FALL SEMESTER

BIOL 5103 Marine Biology Careers Seminar	1 SH
BIOL 5501 Marine Botany	4 SH
Coreq. BIOL 5502	
BIOL 5502 Lab for BIOL 5501	1 SH
Coreq. BIOL 5501	
BIOL 5503 Marine Invertebrate Zoology	4 SH
Coreq. BIOL 5504	
BIOL 5504 Lab for BIOL 5503	1 SH
Coreq. BIOL 5503	
BIOL 5515 Marine Ecology	4 SH
Coreq. BIOL 5516	
BIOL 5516 Lab for BIOL 5515	1 SH
Coreq. BIOL 5515	
BIOL 5521 Experimental Design Marine Ecology	4 SH
Coreq. BIOL 5522	
BIOL 5522 Lab for BIOL 5521	1 SH
Coreq. BIOL 5521	
BIOL 5589 Diving Research Methods	2 SH

YEAR 1, SPRING SEMESTER

BIOL 5505 Biology of Corals	3 SH
BIOL 5507 Biology and Ecology of Fishes	3 SH
BIOL 5513 Tropical Terrestrial Ecology	1 SH
BIOL 5519 Ocean and Coastal Processes	2 SH
BIOL 5527 Marine Conservation Biology	3 SH

YEAR 1, SUMMER 1 SEMESTER

BIOL 5509 Marine Birds and Mammals	2 SH
Coreq. BIOL 5510	
BIOL 5510 Lab for BIOL 5509	1 SH
Coreq. BIOL 5509	
BIOL 5529 Physiological and Molecular Marine Ecology	3 SH

YEAR 1, SUMMER 2 SEMESTER

BIOL 6964 Co-op Work Experience	0 SH
BIOL 8507 Marine Biology Graduate Co-op Tutorial	1 SH

YEAR 2, FALL SEMESTER

BIOL 6964 Co-op Work Experience	0 SH
BIOL 8507 Marine Biology Graduate Co-op Tutorial	1 SH
BIOL 8674 Marine Biology Research Project	4 SH

PhD in Biology—Advanced Degree Entrance

GENERAL REQUIREMENTS

Advisor-recommended courses*
Advisor-approved electives*

BIOL 9990 Dissertation	0 SH

Note: Requirements for students entering with a master's degree depend on the recommendations of the doctoral dissertation advisor and examination commmittees.

PhD in Biology—Bachelor's Degree Entrance

GENERAL REQUIREMENTS

BIOL 5100 Biology Colloquium	1 SH
Two courses from the following list: BIOL 6303, 6399, 6401, 6403	8 SH
BIOL 7399 Research Problem Solving, Ethics, and Communication Skills	4 SH
BIOL 9990 Dissertation	0 SH
BIOL 9996 Dissertation Continuation	0 SH
Approved electives	16 SH

CHEMISTRY AND CHEMICAL BIOLOGY

www.northeastern.edu/chem

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Graduate Programs Booklet: www.northeastern.edu/casgraduate
    /science/chemistry_chemical/documents/chemistry.pdf

The department offers thesis- and non-thesis-based advanced degrees with concentrations in analytical, inorganic, organic, and physical chemistry and in interdisciplinary fields such as polymers, materials, and bio-related chemistry.

The PhD program is designed for students who have earned a bachelor's or a master's degree in chemistry or related areas and who wish to earn a doctorate in chemistry. The program of study includes some course work, but the primary emphasis is on the completion of an original research project, its articulation in a well-written thesis, and its subsequent defense before a panel of department faculty. This is a full-time degree program that typically takes five years to complete. Financial support (teaching assistantships or research assistantships) is normally provided for students admitted to this program throughout their period of study who are found to be making good progress toward their degree. Applicants for this degree-granting program are expected to have an earned BA, BS, or MS in chemistry or related fields or to have completed the equivalent course work with an overall GPA of 3.000 or better from an accredited college or university.

The Professional Master of Science in Biopharmaceutical Regulatory Science is a professional program that addresses a significant workforce need: development and implementation of regulatory protocols and procedures targeting the production of proteins and other biopolymers. The program seeks to prepare scientists with an understanding of bioprocess dynamics as well as the skills necessary to translate this knowledge into formulating, verifying, and implementing standard operating procedures that assure product quality.

MS in Chemistry—Nonthesis Option

GENERAL REQUIREMENTS

CHEM 5600 through CHEM 7999	30 SH

MS in Chemistry—Thesis Option

GENERAL REQUIREMENTS

CHEM 5601 through CHEM 7999	18 SH
CHEM 5600 Research Skills and Ethics in Chemistry	3 SH
CHEM 7730 Advanced Laboratory Methods	4 SH
CHEM 8504 Graduate Seminar	1 SH
CHEM 8986 Research	6 SH

MS in Biopharmaceutical Regulatory Science

See Bouvé College of Health Sciences interdisciplinary programs, page 104, for curriculum information.

PhD in Chemistry—Advanced Degree Entrance

GENERAL REQUIREMENTS

CHEM 5600 Research Skills and Ethics in Chemistry	3 SH
CHEM 7750 Advanced Problem Solving	3 SH
CHEM 8504 Graduate Seminar	1 SH
CHEM 9990 Dissertation	0 SH
CHEM 9996 Dissertation Continuation	0 SH

PhD in Chemistry—Bachelor's Degree Entrance

GENERAL REQUIREMENTS

CHEM 5600 Research Skills and Ethics in Chemistry	3 SH
CHEM 5601 through CHEM 7799	18 SH
CHEM 7730 Advanced Laboratory Methods	4 SH
CHEM 7750 Advanced Problem Solving	3 SH
CHEM 8504 Graduate Seminar	1 SH
CHEM 8984 Master's Research	4 SH
CHEM 9990 Dissertation	0 SH
CHEM 9996 Dissertation Continuation	0 SH

www.math.neu.edu

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Graduate Programs Booklet: www.northeastern.edu/casgraduate
  /science/mathematics/documents/mathematics.pdf

The Department of Mathematics at Northeastern University is internationally known for its mathematical research and education. The graduate programs offer MS and PhD degrees in mathematics, as well as an MS degree in operations research (in conjunction with the Department of Mechanical and Industrial Engineering), and an MS degree in applied mathematics. Students with an MA or MS degree in mathematics should apply directly to the PhD program. Students without an MA or MS in mathematics, who would like to enter the PhD program, should instead apply to the MS program. Once students complete their MS degree requirements, they may then apply to the PhD program. The majority of students who obtain an MS degree in our program continue on into the PhD program and obtain the doctorate. It is the hope and expectation that students entering our program will continue the PhD. The programs are designed to provide students with a broad overview of current mathematics and a strong command of an area of specialization. Graduate students work with internationally recognized faculty in a range of research programs in both pure and applied mathematics. In addition, numerous seminars and colloquia at Northeastern and in the Boston area give students ample opportunity to learn about important recent advances in mathematics.

MSIAM—Master of Science in Industrial and Applied Mathematics

YEAR 1, FALL SEMESTER

MATH 5131 Introduction to Mathematical Methods and Modeling	4 SH

GENERAL REQUIREMENTS

MATH 5101, 5111, 7241	4 SH
MATH 7342 Mathematical Statistics or MATH 7343 Applied Statistics	4 SH
Three MATH electives	12 SH
Two approved electives	8 SH

MSOR—Master of Science in Operations Research

GENERAL REQUIREMENTS

MATH 7241 Probability 1 or	4 SH
IE 6200 Engineering Probability and Statistics	
MATH 7341 Probability 2 or	4 SH
OR 7230 Probabilistic Operation Research	
MATH 7234 Optimization and Complexity	4 SH
OR 6205 Deterministics Operations Research	4 SH
Four electives from the following list: EMGT 6225 or 7250 or 7310; IE 7290; MATH 7342, 7347, 7349	16 SH

MS in Mathematics—Applied Analysis Track

YEAR 1, FALL SEMESTER

MATH 5101 Analysis 1: Functions of One Variable	4 SH
MATH 5111 Algebra 1	4 SH
MATH 7202 Partial Differential Equations 1	4 SH

YEAR 1, SPRING SEMESTER

MATH 5102 Analysis 2: Functions of Several Variables	4 SH
MATH 5112 Algebra 2	4 SH

GENERAL REQUIREMENTS

MATH 7201 Ordinary Differential Equations	4 SH
MATH 7203 Numerical Analysis	4 SH
Elective MATH 5122 or an advanced course in analysis	4 SH

MS in Mathematics—Discrete Track

YEAR 1, FALL SEMESTER

MATH 5101 Analysis 1: Functions of One Variable	4 SH
MATH 5111 Algebra 1	4 SH
MATH 7241 Probability 1	4 SH

YEAR 1, SPRING SEMESTER

MATH 5112 Algebra 2	4 SH
MATH 7232 Combinatorial Analysis	4 SH

GENERAL REQUIREMENTS

MATH 7231 Discrete and Computational Geometry	4 SH
MATH 7233 Graph Theory	4 SH
Elective MATH 5121 or 7341	4 SH

MS in Mathematics—Probability/Statistics Track

YEAR 1, FALL SEMESTER

MATH 5101 Analysis 1: Functions of One Variable	4 SH
MATH 5111 Algebra 1	4 SH
MATH 7241 Probability 1	4 SH

YEAR 1, SPRING SEMESTER

MATH 5102 Analysis 2: Functions of Several Variables	4 SH
MATH 7341 Probability 2	4 SH
MATH 7342 Mathematical Statistics	4 SH

YEAR 2, FALL SEMESTER

MATH 7343 Applied Statistics	4 SH

GENERAL REQUIREMENTS

One elective from the following list: MATH 7344, 7345, 7346, 7391	4 SH

MS in Mathematics—Pure Track

YEAR 1, FALL SEMESTER

MATH 5101 Analysis 1: Functions of One Variable	4 SH
MATH 5111 Algebra 1	4 SH

YEAR 1, SPRING SEMESTER

MATH 5102 Analysis 2: Functions of Several Variables	4 SH
MATH 5112 Algebra 2	4 SH

YEAR 2, FALL SEMESTER

Two courses from the following list: MATH 5122, 7232, 7314, 7364	8 SH

YEAR 2, SPRING SEMESTER

MATH 5121 Topology 1	4 SH
Elective MATH 7213, 7221, 7222, or an advanced course in analysis	4 SH

PhD in Mathematics—Algebra Track

GENERAL REQUIREMENTS

Four courses from the following list: MATH 7213, 7311, 7313, 7314, 7364, or other approved course	16 SH
Two MATH electives	8 SH
Two secondary specialty courses	8 SH
MATH 9990 Dissertation	0 SH
MATH 9996 Dissertation Continuation	0 SH

PhD in Mathematics—Combinatorics Track

YEAR 1, SPRING SEMESTER

MATH 7234 Optimization and Complexity	4 SH

GENERAL REQUIREMENTS

MATH 7331 Algebraic Combinatorics	4 SH
MATH 7332 Geometric Combinatorics	4 SH
MATH 7381 Topics in Combinatorics	4 SH
Two electives from the following list: MATH 7231, 7233, 7731 through 7733	8 SH
MATH 9990 Dissertation	0 SH
MATH 9996 Dissertation Continuation	0 SH

PhD in Mathematics—Geometric Analysis/PDE Track

GENERAL REQUIREMENTS

MATH 5122 Geometry 1	4 SH
MATH 7202 Partial Differential Equations 1	4 SH
MATH 7204 Complex Analysis	4 SH
MATH 7301 Functional Analysis	4 SH
Three electives from the following list: MATH 7201, 7302, 7351 through 7355	12 SH
Two secondary specialty courses	8 SH
MATH 9990 Dissertation	0 SH
MATH 9996 Dissertation Continuation	0 SH

PhD in Mathematics—Geometry/Topology Track

YEAR 1, FALL SEMESTER

MATH 7221 Topology 2	4 SH

GENERAL REQUIREMENTS

MATH 7222 Geometry 2	4 SH
MATH 7321 Topology 3	4 SH
MATH 7322 Geometry 3	4 SH
Two electives from the following list: MATH 7323, 7324, 7371 through 7376	8 SH
Two secondary specialty courses	8 SH
MATH 9990 Dissertation	0 SH
MATH 9996 Dissertation Continuation	0 SH

PhD in Mathematics—Probability/Statistics Track

GENERAL REQUIREMENTS

MATH 7234 Optimization and Complexity	4 SH
MATH 7344 Regression, ANOVA, and Design	4 SH
MATH 7345 Nonparametric Methods in Statistics	4 SH
MATH 7391 Topics in Statistics	4 SH
Two electives from the following list: MATH 7741 or 7346 through 7349	8 SH
Two secondary specialty courses	8 SH
MATH 9990 Dissertation	0 SH
MATH 9996 Dissertation Continuation	0 SH

www.northeastern.edu/physics

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/science/physics/documents/physics.pdf

The Northeastern physics department performs advanced research in condensed matter, fundamental particles and fields, biophysics, and complexity. The MS program seeks to give you an understanding of the basic theoretical structures of physics as preparation for conducting cutting-edge research. The program for the PhD degree consists of the required course work, a qualifying examination, a preliminary research seminar, the completion of a dissertation based upon original research performed by the student, and a dissertation defense upon completion of the dissertation.

MS in Physics—Nonthesis Option

YEAR 1, FALL SEMESTER

PHYS 7301 Classical Mechanics/Math Methods	4 SH
PHYS 7302 Electromagnetic Theory	4 SH
PHYS 7315 Quantum Theory 1	4 SH
PHYS 7321 Computational Physics (either first or second year)	4 SH

YEAR 1, SPRING SEMESTER

PHYS 7305 Statistical Physics	4 SH
PHYS 7316 Quantum Theory 2	4 SH
Graduate electives	8 SH

YEAR 2, FALL SEMESTER

PHYS 7323 Elementary Particle Physics	4 SH
PHYS 7324 Condensed Matter Physics	4 SH
PHYS 7731 Biological Physics 1	4 SH

YEAR 2, SPRING SEMESTER

No more than two courses from the following list: PHYS 5111, 5113, 5114, 5115, or 5171	3 to 8 SH
PHYS 5318 Principles of Experimental Physics	4 SH

MS in Physics—Thesis Option

YEAR 1, FALL SEMESTER

PHYS 7301 Classical Mechanics/Math Methods	4 SH
PHYS 7302 Electromagnetic Theory	4 SH
PHYS 7315 Quantum Theory 1	4 SH
PHYS 7321 Computational Physics (either first or second year)	4 SH

YEAR 1, SPRING SEMESTER

PHYS 7305 Statistical Physics	4 SH
PHYS 7316 Quantum Theory 2	4 SH
Graduate electives	8 SH

YEAR 2, FALL SEMESTER

PHYS 7323 Elementary Particle Physics	4 SH
PHYS 7324 Condensed Matter Physics	4 SH
PHYS 7731 Biological Physics 1	4 SH

YEAR 2, SPRING SEMESTER

No more than two courses from the following list: PHYS 5111, 5113, 5114, 5115, 5171	3 to 8 SH
PHYS 5318 Principles of Experimental Physics	4 SH

MS THESIS

Master's Thesis 1 (sequence of courses worth 4 SH or 8 SH) The 8 SH may be selected from the electives above and/or a thesis for 4 SH or 8 SH.

Graduate students desiring the MS with thesis option should arrange a thesis with a faculty advisor. The student may choose a field of research from three possible areas as outlined under the PhD dissertation section. The thesis must demonstrate the individual's capacity to execute independent work based on original material. The thesis must be approved by the graduate committee. The thesis may be completed in one semester (e.g., summer semester) or in consecutive semesters. Students who have not completed their thesis after the required number of thesis credits (8 SH) must register for MS Thesis with the appropriate course number each subsequent semester until the thesis is approved by the graduate school and submitted electronically to ProQuest.

MS in Physics—Concentration

YEAR 1, FALL SEMESTER

PHYS 7301 Classical Mechanics/Math Methods	4 SH
PHYS 7302 Electromagnetic Theory	4 SH
PHYS 7315 Quantum Theory 1	4 SH
PHYS 7316 Quantum Theory 2	4 SH
PHYS 7321 Computational Physics	4 SH

YEAR 1, SPRING SEMESTER

No more than two courses from the following list: PHYS 5111, 5113, 5114, 5115, or 5171	3 to 8 SH
PHYS 7305 Statistical Physics	4 SH
The remaining 8 SH may consist of elective courses carrying graduate credit in physics, math, engineering, chemistry, biology, mathematics, psychology, or computer science.	8 SH

CONCENTRATION

Students may pursue a concentration in applied physics, engineering physics, biophysics, chemical physics, materials physics, mathematical physics, or computational physics.

PhD in Physics

YEAR 1, FALL SEMESTER

PHYS 7210 Introduction to Research in Physics	0 SH
PHYS 7301 Classical Mechanics/Math Methods	4 SH
PHYS 7302 Electromagnetic Theory	4 SH
PHYS 7315 Quantum Theory 1	4 SH

YEAR 1, SPRING SEMESTER

PHYS 5318 Principles of Experimental Physics	4 SH
PHYS 7210 Introduction to Research in Physics	0 SH
PHYS 7305 Statistical Physics	4 SH
PHYS 7316 Quantum Theory 2	4 SH

YEAR 2, FALL SEMESTER

PHYS 7210 Introduction to Research in Physics	0 SH
PHYS 7321 Computational Physics	4 SH
Two courses from the following list: PHYS 7323, 7324, 7731	8 SH

YEAR 2, SPRING SEMESTER

PHYS 7210 Introduction to Research in Physics	0 SH
PHYS 7733 , 7734, 7741/ BIOL/CHEM elective	3 to 5 SH
PHYS 9984 Advanced Research	3 to 12 SH

GENERAL REQUIREMENTS

PHYS 9990 Dissertation	0 SH
PHYS 9996 Dissertation Continuation	0 SH

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PSYCHOLOGY

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www.northeastern.edu/psychology

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   /science/psychology/documents/psychology.pdf

The PhD program in the psychology department covers a wide spectrum of contemporary behavioral science within a close-knit community of faculty and students. The program offers four distinct areas of experimental emphasis: behavioral neuroscience, cognition, perception, and social/personality. (The program does not offer training in clinical or counseling psychology.) The objective of the PhD program is to prepare students to become experts in research and teaching in psychology. To accomplish this goal, the department takes a mentoring approach whereby the graduate students are apprentices in faculty laboratories, working closely with their faculty mentors throughout their time in the program. The basic apprenticeship relation is supplemented by other activities, such as required courses (concentrated in the first and second years), advanced seminars, and/or course work in this as well as other departments or universities, a colloquium series, assignments as teaching assistants, the master's project, and the dissertation and its oral defense. Graduate students also have an opportunity to develop their teaching and research skills through close mentoring of undergraduate research assistants. The PhD program is a twelve-month-per-year program. Students normally earn their master's degree at the end of their second year and progress to PhD candidacy. There is no freestanding master's program. Below is a typical program of study; requirements are tailored for students entering with a master's degree.

PhD in Psychology

YEAR 1, FALL SEMESTER

Two courses from the following list: PSYC 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170	6 SH
PSYC 5180 Quantitative Methods 1	3 SH
PSYC 8401 Research project	3 SH

YEAR 1, SPRING SEMESTER

Two courses from the following list: PSYC 5100, 5110, 5120, 5130, 5140, 5150, 5160, 5170	6 SH
PSYC 5181 Quantitative Methods 2	3 SH
PSYC 8401 Research Project	3 SH

YEAR 1, SUMMER FULL SEMESTER

PSYC 8401 Research Project	3 SH

YEAR 2, FALL SEMESTER

PSYC 7990 Thesis	3 SH

YEAR 2, SPRING SEMESTER

PSYC 7301 Research Methodologies Psychology or PSYC 7302 Ethics and Professional Issues	3 SH
PSYC 7990 Thesis	3 SH

YEAR 2, SUMMER FULL SEMESTER

PSYC 7996 Thesis Continuation	0 SH

YEAR 3, FALL SEMESTER

PSYC 9990 Dissertation	0 SH

YEAR 3, SPRING SEMESTER

PSYC 7301 Research Methodologies Psychology or PSYC 7302 Ethics and Professional Issues	3 SH
PSYC 9990 Dissertation	0 SH

YEAR 3, SUMMER FULL SEMESTER

PSYC 9996 Dissertation Continuation	0 SH

YEARS 4 AND 5

PSYC 9996 Dissertation Continuation	0 SH

GENERAL REQUIREMENTS

Additional electives to make 50 SH total for program

College of Social Sciences and Humanities

www.northeastern.edu/cssh/graduate

GEORGES VAN DEN ABBEELE, PHD, *Dean*

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/current_students/general_regulations

Graduate education at Northeastern integrates the highest level of scholarship across disciplinary boundaries with significant research and experiential learning opportunities. This multidimensional learning environment seeks to develop students' critical thinking and creative problem-solving skills while introducing them to new perspectives in their fields. Our doctoral, master's, and professional degree programs seek to produce graduates who are well prepared for the diverse demands of careers in academia, industry, and the professions.

SCHOOL OF CRIMINOLOGY AND CRIMINAL JUSTICE

www.northeastern.edu/sccj

CHESTER L. BRITT, PHD
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    /socscience_humanities/school_criminology/documents
    /criminaljustice.pdf

The School of Criminology and Criminal Justice at Northeastern University seeks to prepare students for professional and research careers in criminal justice, criminology, and related fields by applying multidisciplinary and comparative social science to understand, predict, and explain crime and contribute to the development of public policy within urban communities. Using an active-learning approach, the school seeks to develop its students intellectually and ethically, while providing them with a keen appreciation for the complexities of crime and public and private efforts to make communities safer and to ensure justice. The school offers a Master of Science degree in criminology and criminal justice and a PhD degree in criminology and justice policy.

MSCJ in Criminology and Criminal Justice, Nonthesis Option

YEAR 1, FALL SEMESTER

CRIM 7200 Criminology	3 SH
CRIM 7202 The Criminal Justice Process	3 SH
CRIM 7204 Research and Evaluation Methods	3 SH
Coreq. CRIM 7205	
CRIM 7205 Lab for CRIM 7204	1 SH
Coreq. CRIM 7204	

YEAR 1, SPRING SEMESTER

CRIM 7206 Statistical Analysis	3 SH
Coreq. CRIM 7207	
CRIM 7207 Lab for CRIM 7206	1 SH
Coreq. CRIM 7206	
Two CRIM electives	6 SH

YEAR 1, SUMMER FULL SEMESTER

CRIM 8400, 8402, or CRIM elective	3 SH

YEAR 2, FALL SEMESTER

CRIM 7208, 7224, 7232, 7244	3 SH
Two CRIM electives	6 SH

MSCJ—Master of Science in Criminology and Criminal Justice, Thesis Option

YEAR 1, FALL SEMESTER

CRIM 7200 Criminology	3 SH
CRIM 7202 The Criminal Justice Process	3 SH
CRIM 7204 Research and Evaluation Methods	3 SH
Coreq. CRIM 7205	
CRIM 7205 Lab for CRIM 7204	1 SH
Coreq. CRIM 7204	

YEAR 1, SPRING SEMESTER

CRIM 7206 Statistical Analysis	3 SH
Coreq. CRIM 7207	
CRIM 7207 Lab for CRIM 7206	1 SH
Coreq. CRIM 7206	
Two CRIM electives	6 SH

YEAR 1, SUMMER FULL SEMESTER

CRIM 8400, 8402, or CRIM elective	3 SH

YEAR 2, FALL SEMESTER

CRIM 7208, 7224, 7232, 7244	3 SH
CRIM 7990 Thesis	6 SH

PhD in Criminology and Justice Policy—Advanced Degree Entrance

YEAR 1, FALL SEMESTER

CRIM 7710 Criminology and Public Policy 1	3 SH
CRIM 7715 Multivariate Analysis 1	3 SH
CRIM elective	3 SH

YEAR 1, SPRING SEMESTER

CRIM 7711 Criminology and Public Policy 2	3 SH
CRIM 7713 Advanced Research and Evaluation Methods	3 SH
CRIM 7716 Multivariate Analysis 2	3 SH

YEAR 2, FALL SEMESTER

CRIM 7718 Advanced Data Analysis	3 SH
Two CRIM electives	6 SH

YEAR 2, SPRING SEMESTER

CRIM 7316 Advanced Topics in Methods or CRIM elective	3 SH
CRIM 7700 Practicum in Teaching or CRIM 7702 Practicum in Policy Analysis	1 SH
CRIM 7704 Practicum in Research	1 SH
CRIM 8960* Exam Preparation—Doctoral	0 SH

Note: Students are required to complete three qualifying examinations prior to candidacy.

YEAR 3, FALL SEMESTER

CRIM 8960 Exam Preparation—Doctoral	0 SH

YEAR 3, SPRING SEMESTER

CRIM 8960 Exam Preparation—Doctoral	0 SH

YEAR 4, FALL SEMESTER

CRIM 9990 Dissertation	0 SH

YEAR 4, SPRING SEMESTER

CRIM 9996 Dissertation Continuation	0 SH

PhD in Criminology and Justice Policy—Bachelor's Degree Entrance

YEAR 1, FALL SEMESTER

CRIM 7200 Criminology	3 SH
CRIM 7202 The Criminal Justice Process	3 SH
CRIM 7204 Research and Evaluation Methods	3 SH
Coreq. CRIM 7205	
CRIM 7205 Lab for CRIM 7204	1 SH
Coreq. CRIM 7204	

YEAR 1, SPRING SEMESTER

CRIM 7206 Statistical Analysis	3 SH
Coreq. CRIM 7207	
CRIM 7207 Lab for CRIM 7206	1 SH
Coreq. CRIM 7206	
CRIM 7208, 7224, 7232, 7244	3 SH
CRIM elective	3 SH

YEAR 1, SUMMER 1 SEMESTER

CRIM elective	3 SH

YEAR 1, SUMMER 2 SEMESTER

CRIM elective	3 SH

YEAR 2, FALL SEMESTER

CRIM 7710 Criminology and Public Policy 1	3 SH
CRIM 7715 Multivariate Analysis 1	3 SH
CRIM elective	3 SH

YEAR 2, SPRING SEMESTER

CRIM 7711 Criminology and Public Policy 2	3 SH
CRIM 7713 Advanced Research and Evaluation Methods	3 SH
CRIM 7716 Multivariate Analysis 2	3 SH

YEAR 3, FALL SEMESTER

CRIM 7718 Advanced Data Analysis	3 SH
Two CRIM electives	6 SH

YEAR 3, SPRING SEMESTER

CRIM 7316 Advanced Topics in Methods or CRIM elective	3 SH
CRIM 7700 Practicum in Teaching or CRIM 7702 Practicum in Policy Analysis	1 SH
CRIM 7704 Practicum in Research	1 SH
Two CRIM electives	6 SH

YEAR 4, FALL SEMESTER

CRIM 8960* Exam Preparation—Doctoral	0 SH

Note: Students are required to complete three qualifying examinations prior to candidacy.

YEAR 4, SPRING SEMESTER

CRIM 8960 Exam Preparation—Doctoral	0 SH

YEAR 5, FALL SEMESTER

CRIM 9990 Dissertation	0 SH

YEAR 5, SPRING SEMESTER

CRIM 9996 Dissertation Continuation	0 SH

ECONOMICS

www.economics.neu.edu

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    /socscience_humanities/economics/documents/economics.pdf

The most distinctive feature of Northeastern University's graduate programs in economics is an emphasis on applied economics, coupled with attention to providing a solid grounding in microeconomic and macroeconomic theory, and econometrics. Students come from all over the world, and the curriculum is designed with this in mind, striving for balance in coverage of economies that are rich and poor, large and small, mixed and market. This gives a unique flavor to the course of study, making it well suited to the analysis of the emerging global economy of the twenty-first century.

MA in Economics

GENERAL REQUIREMENTS

ECON 5105 Math and Statistics for Economists	4 SH
ECON 5110 Microeconomic Theory	4 SH
ECON 5120 Macroeconomic Theory	4 SH
ECON 5140 Applied Econometrics	4 SH
Four electives ECON 5200 or above	16 SH

PhD in Economics—Advanced Degree Entrance

YEAR 1, FALL SEMESTER

ECON 7710 Microeconomic Theory 2	4 SH
ECON 7740 Applied Econometrics 2	4 SH

YEAR 1, SPRING SEMESTER

ECON 7720 Macroeconomic Theory 2	4 SH
ECON 7763 Labor Market Analysis or ECON 7771 Framework of Industrial Organization	4 SH
Elective ECON 7200 through 7299, 7976, 8982	4 SH

YEAR 2, FALL SEMESTER

ECON 7764 Topics in Labor Economics or ECON 7772 Public Policy Toward Business	4 SH
ECON 8960 Exam Preparation—Doctoral	0 SH

YEAR 2, SPRING SEMESTER
ECON 9986 Research   0 SH

YEAR 3, FALL SEMESTER
ECON 9990 Dissertation   0 SH

YEAR 3, SPRING SEMESTER
ECON 9990 Dissertation   0 SH

YEAR 4, FALL SEMESTER
ECON 9996 Dissertation Continuation   0 SH

YEAR 4, SPRING SEMESTER
ECON 9996 Dissertation Continuation   0 SH

YEAR 5, FALL SEMESTER
ECON 9996 Dissertation Continuation   0 SH

YEAR 5, SPRING SEMESTER
ECON 9996 Dissertation Continuation   0 SH

GENERAL REQUIREMENTS
Qualifying examinations in macroeconomic and   0 SH
  microeconomic theory
Field examination in industrial organization   0 SH
  or labor economics
Doctoral Dissertation   0 SH
Participation in department field lunches   0 SH
Practical experience in applied economics program   0 SH
Participation in academic seminar series   0 SH

YEAR 4, FALL SEMESTER
ECON 9990 Dissertation   0 SH

YEAR 4, SPRING SEMESTER
ECON 9990 Dissertation   0 SH

YEAR 5, FALL SEMESTER
ECON 9996 Dissertation Continuation   0 SH

YEAR 5, SPRING SEMESTER
ECON 9996 Dissertation Continuation   0 SH

GENERAL REQUIREMENTS
Qualifying examinations in macroeconomic and   0 SH
  microeconomic theory
Field examination in industrial organization   0 SH
  or labor economics
Doctoral Dissertation   0 SH
Participation in department field lunches   0 SH
Practical experience in applied economics program   0 SH
Participation in academic seminar series   0 SH

PhD in Economics—Bachelor's Degree Entrance

YEAR 1, FALL SEMESTER
ECON 5105 Math and Statistics for Economists   4 SH
ECON 5110 Microeconomic Theory   4 SH
Elective ECON 7200 through 7299, 7976, 8982   4 SH

YEAR 1, SPRING SEMESTER
ECON 5120 Macroeconomic Theory   4 SH
ECON 5140 Applied Econometrics   4 SH
Elective ECON 7200 through 7299, 7976, 8982   4 SH

YEAR 2, FALL SEMESTER
ECON 7710 Microeconomic Theory 2   4 SH
ECON 7740 Applied Econometrics 2   4 SH

YEAR 2, SPRING SEMESTER
ECON 7720 Macroeconomic Theory 2   4 SH
ECON 7763 Labor Market Analysis or   4 SH
  ECON 7771 Framework of Industrial Organization
Elective ECON 7200 through 7299, 7976, 8982   4 SH

YEAR 3, FALL SEMESTER
ECON 7764 Topics in Labor Economics or   4 SH
  ECON 7772 Public Policy Toward Business
ECON 8960 Exam Preparation—Doctoral   0 SH

YEAR 3, SPRING SEMESTER
ECON 9986 Research   0 SH

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ENGLISH

</div>

www.english.neu.edu

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ELIZABETH MADDOCK DILLON, PhD
Graduate Coordinator

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Graduate Programs Booklet: www.northeastern.edu/casgraduate
    /socscience_humanities/english/documents/english.pdf

The graduate program in English encompasses the study of British and American literature, literary history and theory, and rhetoric and composition, as well as linguistics. At Northeastern University, graduate study in English takes full advantage of the opportunities that the greater Boston area affords as the site of rich cultural and educational resources.

MA in English

YEAR 1, FALL SEMESTER
ENGL 5103 Proseminar   3 SH

GENERAL REQUIREMENTS
Two theories and methods courses	6 SH
Medieval/Renaissance course	3 SH
Seventeenth-/eighteenth-century course	3 SH
Nineteenth-/twentieth-century course	3 SH
Two rhetoric and composition courses	6 SH
Two ENGL electives or approved electives	6 to 8 SH
Comprehensive examination	

PhD in English—Advanced Degree Entrance

YEAR 1, FALL SEMESTER
ENGL 7392 Writing and the Teaching of Writing   3 SH

GENERAL REQUIREMENTS
Six ENGL electives or approved electives	18 to 24 SH
Comprehensive examination	
ENGL 9990 Dissertation	0 SH
ENGL 9996 Dissertation Continuation	0 SH

PhD in English—Bachelor's Degree Entrance

YEAR 1, FALL SEMESTER
ENGL 5103 Proseminar   3 SH

GENERAL REQUIREMENTS
Two theories and methods courses	6 SH
Medieval/Renaissance course	3 SH
Seventeenth-/eighteenth-century course	3 SH
Nineteenth-/twentieth-century course	3 SH
Two rhetoric and composition courses	6 SH
Six ENGL electives or approved electives	18 to 24 SH
Comprehensive examination	
ENGL 9990 Dissertation	0 SH
ENGL 9996 Dissertation Continuation	0 SH

HISTORY

www.northeastern.edu/history

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  /socscience_humanities/history/documents/history.pdf

Graduate work in history focuses on global and world history, which study the interactions among geographical regions and historical processes around the globe. Students at both the master's and doctoral levels concentrate their work on the history of regions or peoples in Africa, Asia, Europe, Latin America, or the United States, with attention to the intersections and connections between national, regional, and global developments. The Department of History also offers a master's degree with a concentration in public history that emphasizes the study of topics such as material culture, historical exhibits and museums, historical agencies, and archival administration. Recent doctoral students have been the recipients of major fellowships for conducting dissertation research abroad, including Fulbright, Fulbright-Hays, Social Science Research Council, and Chateaubriand Fellowships.

MA in History

YEAR 1, FALL SEMESTER
HIST 5101 Theory and Methodology 1   4 SH

GENERAL REQUIREMENTS
One course in the range HIST 7300 through HIST 7700   4 SH
HIST 7976 Directed Study   1 to 4 SH
Four history electives   16 SH
Two open electives   6 to 8 SH

MA in History with Concentration in Public History

YEAR 1, FALL SEMESTER
HIST 5101 Theory and Methodology 1   4 SH

GENERAL REQUIREMENTS
Three courses in the range HIST 5200 through   12 SH
  HIST 5250, or HIST 8674
One course in the range HIST 7300 through HIST 7700   4 SH
HIST 7976 Directed Study   1 to 4 SH
Two history electives   8 SH
Open elective   3 or 4 SH

PhD in History—Advanced Degree Entrance

YEAR 1, FALL SEMESTER
HIST 5101 Theory and Methodology 1   4 SH

YEAR 1, SPRING SEMESTER
HIST 5102 Theory and Methodology 2   4 SH

GENERAL REQUIREMENTS
Three courses in the range HIST 7300 through   12 SH
  HIST 7702
HIST 7976 Directed Study   1 to 4 SH
HIST 8409 Practicum in Teaching   4 SH
History or open elective   4 4 SH
HIST 9990 Dissertation   0 SH
HIST 9996 Dissertation Continuation   0 SH

PhD in History—Bachelor's Degree Entrance

YEAR 1, FALL SEMESTER
HIST 5101 Theory and Methodology 1   4 SH

YEAR 1, SPRING SEMESTER
HIST 5102 Theory and Methodology 2   4 SH

GENERAL REQUIREMENTS
Three courses in the range HIST 7300 through   12 SH
  HIST 7702
HIST 7976 Directed Study   1 to 4 SH
HIST 8409 Practicum in Teaching   4 SH
Four HIST electives   16 SH
Two open electives   6 to 8 SH
HIST 9990 Dissertation   0 SH
HIST 9996 Dissertation Continuation   0 SH

LAW AND PUBLIC POLICY

www.northeastern.edu/lpp

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Graduate Programs Booklet: www.northeastern.edu/casgraduate
    /socscience_humanities/law_policy_society/documents/law.pdf

Law and public policy (LPP) is an interdisciplinary program that offers the PhD, MS, and JD/MS degrees. It seeks to prepare students for careers in research, teaching, government, nonprofit, or legal institutions. LPP examines law, legal institutions, and public policy from an interdisciplinary social science perspective. The curriculum incorporates several social science and legal theoretical perspectives and both quantitative and qualitative research methodologies. Students have an opportunity to engage in policy analysis and applied research in several fields, including crime, law, and justice; health policy; labor market analysis and workforce development; sustainability and climate change; and urban policy.

MS in Law and Public Policy

GENERAL REQUIREMENTS

LPSC 6313 Economic Analysis for Law, Policy, and Planning	3 SH
LPSC 7305 Research and Statistical Methods	3 SH
LPSC 7308 Law and Legal Reasoning	3 SH
LPSC 7311 Strategizing Public Policy	3 SH
LW 7482 Law, Policy, and Society	2 SH
PHIL 7240 Philosophy and Public Policy	4 SH
POLS 7318 Techniques of Program Evaluation	3 SH
PPUA 6207 Research Toolkit for Urban and Regional Policy: Survey Techniques	1 SH
PPUA 6208 Research Toolkit for Urban and Regional Policy: Qualitative Techniques	1 SH
PPUA 7673 Capstone Project in Urban and Regional Policy	3 SH
Law elective	2 SH
Three graduate electives	9 SH

PhD in Law and Public Policy

GENERAL REQUIREMENTS

ECON 7270 Economics of Law and Regulation	4 SH
LPSC 7305 Research and Statistical Methods	3 SH
LPSC 7308 Law and Legal Reasoning	3 SH
LPSC 7310 Research Design and Analysis	3 SH
LPSC 7311 Strategizing Public Policy	3 SH
LPSC 9990 Dissertation	0 SH
LPSC 9996 Dissertation continuation	0 SH
LW 7482 Law, Policy, and Society	2 SH
PHIL 7240 Ethics and Public Policy	4 SH
Public policy elective	3 SH
Advance methodology elective	3 SH
Law elective	2 SH
Two graduate electives*	6 SH

Note: PhD students entering without an advanced degree are required to complete two additional 3 SH electives.

POLITICAL SCIENCE

www.polisci.neu.edu

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JOHN H. PORTZ, PhD
Graduate Coordinator, PhD and MA programs
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    /socscience_humanities/political_science/documents
    /political.pdf

Graduate training in political science and public administration seeks to prepare students to analyze political and social phenomena in rigorous ways and pursue a wide array of careers, from government and academia to the nonprofit and private sectors. The graduate programs in political science and public administration at Northeastern explore the theory and the practice of politics, public policy, and public management in the United States and other countries. In teaching and research, faculty members in the department cover a broad range of topics and issues in the field of political science and public administration. Core areas of inquiry within our department include American studies; democracy, development, and international studies; law and legal issues; public policy; and security studies.

MA in Political Science with Concentration in American Government and Politics

GENERAL REQUIREMENTS

POLS 7202 Quantitative Techniques	3 SH
POLS 7205 Seminar in American Government and Politics	3 SH
Three American government courses POLS 7200 or above	9 SH
Five electives POLS 7200 or above	15 SH

MA in Political Science with Concentration in Comparative Politics

GENERAL REQUIREMENTS

POLS 7202 Quantitative Techniques	3 SH
POLS 7206 Seminar in Comparative Politics	3 SH
Three comparative courses POLS 7200 or above	9 SH
Five electives POLS 7200 or above	15 SH

MA in Political Science with Concentration in International Relations

GENERAL REQUIREMENTS

POLS 7202 Quantitative Techniques	3 SH
POLS 7207 Seminar in International Relations	3 SH
Three international relations courses POLS 7200 or above	9 SH
Five electives POLS 7200 or above	15 SH

MA in Political Science with Concentration in Public Policy

GENERAL REQUIREMENTS

POLS 7202 Quantitative Techniques	3 SH
POLS 7204 Seminar in Public Policy	3 SH
Three policy courses POLS 7200 or above	9 SH
Five electives POLS 7200 or above	15 SH

MPA in Political Science

GENERAL REQUIREMENTS

POLS 7202 Quantitative Techniques	3 SH
POLS 7203 Techniques of Policy Analysis	3 SH
POLS 7301 Public Personnel Administration	3 SH
POLS 7302 Organizational Theory and Management	3 SH
POLS 7303 Public Budgeting and Financial Management	3 SH
POLS 7304 Economic Institutions and Analysis	3 SH
POLS 7305 Institutional Leadership and the Public Manager	3 SH
POLS 7306 Capstone Seminar in Public Policy and Public Management	3 SH
POLS 8407 Internship for pre-service students or elective POLS 7200 or above	3 SH
Five electives POLS 7200 or above	15 SH

PhD in Political Science

GENERAL REQUIREMENTS

POLS 7200 Perspectives on Social Science Inquiry	3 SH
POLS 7201 Methods of Analysis	3 SH
POLS 7202 Quantitative Techniques	3 SH
POLS 7204 Seminar in Public Policy	3 SH
POLS 7205 Seminar in American Government and Politics	3 SH
POLS 7206 Seminar in Comparative Politics	3 SH
POLS 7207 Seminar in International Relations	3 SH
POLS 7215 or another advanced methods course	3 SH
Four primary field electives POLS 7200 or above	12 SH
Two secondary field electives POLS 7200 or above	6 SH
Two electives POLS 7200 or above	6 SH
POLS 9990 Dissertation	0 SH
POLS 9996 Dissertation continuation	0 SH

SOCIOLOGY

www.northeastern.edu/socant/

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MATTHEW O. HUNT, PHD
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    /socscience_humanities/sociology/documents/sociology.pdf

The Department of Sociology and Anthropology at Northeastern University offers MA and PhD degrees in sociology within a flexible program attractive to students interested in both academic and nonacademic careers. The program seeks to provide students with the theoretical foundation and research skills needed to engage in a career in teaching and research, in the public sector, or in industry. Thirty-two faculty members bring a wide range of substantive interests, organized around four concentration areas: the sociology of gender; globalization; inequality; and urban sociology. Apart from these formal areas of concentration, the department has extraordinary strengths in environmental sociology, the sociology of health, and social movements.

The Department of Sociology and Anthropology is a founding unit of Northeastern's School of Public Policy and Urban Affairs, which is dedicated to providing advanced research opportunities in a multidisciplinary environment. The department also maintains strong ties with the Brudnick Center for the Study of Conflict and Violence; the Women's, Gender, and Sexuality Studies Program; the Kitty and Michael Dukakis Center for Urban and Regional Policy; the Northeastern Environmental Justice Research Collaborative; and the Law and Public Policy program.

MA in Sociology

YEAR 1, FALL SEMESTER

SOCL 7200 Foundations of Social Theory 1	3 SH
SOCL 7211 Research Methods	3 SH
Graduate elective	3 SH

YEAR 1, SPRING SEMESTER

SOCL 7201 Foundations of Social Theory 2	3 SH
SOCL 7210 Statistical Methods of Sociology	3 SH
Graduate elective	3 SH

YEAR 2, FALL SEMESTER

Two graduate electives	6 SH

YEAR 2, SPRING SEMESTER

Two graduate electives	6 SH

PhD in Sociology

YEAR 1, FALL SEMESTER

Advanced methods course	3 SH
Two graduate electives	6 SH

YEAR 1, SPRING SEMESTER

Advanced methods course	3 SH
Two graduate electives	6 SH
Theory qualifying examination	

YEAR 2, FALL SEMESTER

Two graduate electives	6 SH

YEAR 2, SPRING SEMESTER

SOCL 8960 Exam Preparation—Doctoral	0 SH
Two comprehensive examinations	

GENERAL REQUIREMENTS

SOCL 9990 Dissertation	0 SH
SOCL 9996 Dissertation Continuation	0 SH

URBAN AND REGIONAL POLICY

www.northeastern.edu/murp

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The School of Public Policy and Urban Affairs at Northeastern University offers an exciting new interdisciplinary Master's of Science in Urban and Regional Policy (MURP). The program seeks to provide sophisticated analytical skills combined with a thorough understanding of how cities and regions work for graduates who will occupy key research and policy-making positions in an array of urban-focused public, nonprofit, and private-sector institutions. This program seeks to produce graduates who will be part of the next generation of key strategists in urban and regional policy making; leaders with the ability to analyze global economic, technological, and social trends, develop policy responses designed to enable their respective cities and regions to adapt to those trends, and move those policies toward implementation.

MS in Urban and Regional Policy
Part-time students go at their own pace.

YEAR 1, FALL SEMESTER
LPSC 6313 Economic Analysis for Law, Policy, and Planning	3 SH
POLS 7202 Quantitative Techniques	3 SH
PPUA 6201 The Twenty-First Century City: Urban Opportunities and Challenges in a Global Context	3 SH

YEAR 1, SPRING SEMESTER
POLS 7315 Urban Development and Politics	3 SH
PPUA 6205 Research Design and Methodology in Urban and Regional Policy	3 SH
Graduate elective	3 SH

YEAR 1, SUMMER 1 SEMESTER
Three courses in the range PPUA 6206 through PPUA 6212	3 SH
PPUA 8407 or elective	3 SH

YEAR 2, FALL SEMESTER
LPSC 7311 Strategizing Public Policy	3 SH
POLS 7318 Techniques of Program Evaluation	3 SH
Graduate elective	3 SH

YEAR 2, SPRING SEMESTER
PPUA 7673 Capstone Project in Urban and Regional Policy	3 SH
Two graduate electives	6 SH

University Leadership

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Ricardo Binetti
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Allan Bird
Brodsky Trustee Professor of Global Business, International Business and Strategy; University of Oregon, PhD, 1988

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Donna M. Bishop
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Samuel J. Blank
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Russell B. and Andrée B. Stearns Trustee Professor of Political Economy, School of Public Policy and Urban Affairs; University of Michigan, PhD, 1974

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Paul J. Bolster
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Alma L. Bournazian
Associate Academic Specialist, World Languages Center; Western Maryland College, MS, 1992

Carla Bouwmeester
Assistant Clinical Professor, Pharmacy Practice; Massachusetts College of Pharmacy, PharmD, 2002

David P. Boyd
Professor, Management and Organizational Development; Oxford University (United Kingdom), PhD, 1973

Nicole M. Boyson
Associate Professor and William Conley Faculty Fellow, Finance and Insurance; Ohio State University, PhD, 2003

Matthew Bracken
Assistant Professor, Earth and Environmental Sciences; Oregon State University, PhD, 2003

Maxim Braverman
Professor, Mathematics; Tel Aviv University (Israel), PhD, 1997

Heather Brenhouse
Assistant Professor, Psychology; Northeastern University, PhD, 2005

Janet Briand-McGowan
Assistant Clinical Professor, Nursing; Northeastern University, DNP, 2012

Amy M. Briesch
Assistant Professor, Counseling and Applied Educational Psychology; University of Connecticut, PhD, 2009

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Elizabeth C. Britt
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Associate Professor, African-American Studies and Music; Wesleyan University, PhD, 1989

Michael E. Brown
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Code of Student Conduct

www.osccr.neu.edu

Adopted November 12, 1971; last revised in March 2011.
The purpose of the Code of Student Conduct is to set forth the university's expectations of behavior that promote the safety and welfare of the Northeastern University community. The university seeks to provide a supportive environment that is conducive to learning, the pursuit of truth, the exchange of knowledge, the intellectual development of students, and the general good of society. In those instances where violations of the behavioral expectations occur, Northeastern University has developed policies and procedures to protect the interests of members of the university community, individually and collectively.

APPLICABILITY OF CODE

The Code of Student Conduct applies to all registered undergraduate, graduate, law, full- and part-time students, as well as professional studies and online students, enrolled at Northeastern University, as well as all student groups and organizations.

Student behavior occurring off campus that is in violation of the Code or local, state, or federal laws and could adversely affect the educational mission of the university or its relationship with the surrounding community may subject students to discipline pursuant to the Code of Student Conduct. This applies to students acting on their own volition as well as in recognized student groups and organizations.

Violations of the Code of Student Conduct are handled through the Office of Student Conduct and Conflict Resolution (OSCCR).

When a student withdraws or takes a leave of absence from the university after engaging in conduct that may violate any of the university's policies, rules, regulations, or standards of conduct, but before the alleged violation has been adjudicated through the conduct process, a hold will be placed on the student's record and the student will be banned from campus. The hold will prevent a student from reenrolling at the university until the alleged violations have been resolved.

APPLICABILITY OF CODE OF CONDUCT OFF CAMPUS

The Code of Student Conduct applies on campus, as well as off campus, to all registered undergraduate and graduate, full- and part-time students, as well as professional studies and online students, enrolled at Northeastern University, as well as all student groups and organizations. The university sets appropriate and clear guidelines for the behavior of its students. The guidelines are established to ensure that student conduct does not adversely affect the educational mission of the university or its relationship with the surrounding community, sister institutions, or members of the university community. Student behavior occurring off campus that is in violation of the Code or local, state, or federal laws and could affect the educational mission of the university or its relationship with the surrounding community may subject students to discipline as noted in the Code of Student Conduct. This applies to students acting on their own volition as well as in recognized student groups and organizations.

DECISION-MAKING AUTHORITY

The Student Conduct Board and designated administrators are authorized to take official disciplinary actions in accordance with the policies, regulations, and sanctions contained in the Code of Student Conduct and elsewhere in the *Graduate Student Handbook.*

The policies and procedures outlined in the Northeastern University Code of Student Conduct will at all times govern the adjudication of student conduct.

GENERAL EXPECTATIONS

As citizens and as members of an academic community, students enjoy the same basic privileges and are bound by the same responsibilities as all citizens. The campus cannot be considered a sanctuary from the general law. Northeastern University assumes that all students will abide by the policies, rules, and regulations of the university and by state, local, and federal laws. The university reserves the right to inform police or other appropriate authorities when student behavior appears to violate criminal laws.

It is recognized that all members of an academic community, individually and collectively, have a right to express their views publicly on any issue; however, the university insists that all such expressions be peaceful and orderly and be conducted in a manner consistent with the Code and university policies and in such a way that university business shall not be unduly disrupted. Moreover, students must clearly indicate that they are speaking as individuals and not for or on behalf of the university community.

Students are expected to display proper respect for the rights and privileges of other members of the university community and their guests. The atmosphere in classes, laboratories, and residence halls must be free from any sort of disruption. Furthermore, students must follow the reasonable directions of university personnel.

Students are expected to be honest and forthright in their course of dealings with the university. Falsification, distortion, or misrepresentation of information to the university or university officials will result in being charged with the appropriate violation of the Northeastern University Code of Student Conduct.

The Code of Student Conduct has been developed with the assistance of students, faculty, and staff of the university.

Experience demonstrates that inappropriate behavior will often involve violations of more than one standard of conduct listed below and so may yield sanctions beyond the minimum sanctions discussed in this Code. The university reserves the right to notify parents when a student has been referred to the OSCCR.

STANDARDS OF CONDUCT

What follows is a listing of the university policies, rules, and regulations that prescribe the standards of conduct the university requires of students. Students are required to become familiar with these policies and must comply with them. Violations of any of these policies will be handled in accordance with the appropriate university procedure.

The use and/or abuse of alcohol and/or drugs will not be considered a mitigating circumstance for any violation of the Code of Student Conduct. Rather, individuals may be additionally charged with the appropriate alcohol or drug violation.

Violations are listed in alphabetical order; the order of violations is not indicative of the seriousness of each violation.

All violations are assigned a level representing the degree of seriousness of the violation. That level is listed next to each violation. The definition of each level is as follows:

LEVEL I

These are considered the most grievous violations and can result in sanctions up to and including expulsion.

LEVEL II

These are considered serious violations; a minimum sanction for any violations listed as level II would be probation.

Repeated violations, multiple violations, or the severity of the misconduct may heighten the university's response to suspension or expulsion from the university and/or cancellation of the Residence Hall and Dining License Agreement. In addition, students may be fined up to $200.

LEVEL III

Sanctions for level III are up to and including deferred suspension.

Repeated violations, multiple violations, or the severity of the misconduct may heighten the university's response to suspension or expulsion from the university and/or cancellation of the Residence Hall and Dining License Agreement. In addition, students may be fined up to $200.

LEVEL IV

Sanctions for level IV violations are typically a warning and a fine and/or educational sanction but may be up to and including probation.

Repeated violations, multiple violations, or the severity of the misconduct may heighten the university's response to suspension or expulsion from the university and/or cancellation of the Residence Hall and Dining License Agreement. In addition, students may be fined up to $200.

VIOLATIONS

Abuse of Others

a. Verbal, written, graphic, or electronic abuse. (Level II or III)
b. Harassment (defined as repeated and/or continuing behavior), coercion, or intimidation of an individual or group, either directly and/or indirectly or on the basis of race, color, religion, national origin, age, gender, sexual orientation, disability, or veteran status. (Level II or III)
c. Bullying, defined as the repeated use of written, verbal, or electronic expression and/or communication and/or a verbal, electronic, or physical act or gesture or any combination thereof, directed at a member of the university community that (i) causes physical, psychological, and/or emotional harm to a university community member or damage to his or her property; (ii) places a university community member in reasonable fear of harm to himself or herself or damage to his or her property; or (iii) creates a hostile, threatening, intimidating, humiliating, or abusive environment [at the university] for a university community member or substantially interferes with his or her educational performance, opportunities, or benefits. For purposes of this section, bullying may include, but is not limited to, social exclusion or isolation, humiliation or degradation, threats, intimidation, harassment, stalking, theft and/or damage/destruction of property, or the perpetuation of any of the conduct listed in this section by inciting, soliciting, or coercing others to demean, embarrass, humiliate, or cause emotional, psychological, or physical harm to a member of the university community. (Level II or III)

The level of sanctioning will be dependent upon the nature of the incident with respect to above description.

Academic Integrity Violation

As defined in the Academic Integrity Policy (page 40). (Level II)

Aiding and Abetting

Aiding, abetting, or cooperating in an act or action that violates the Code of Student Conduct (for example, a student present when the Code of Student Conduct is violated may be held responsible as though he or she was a direct participant in the violation, even if information indicates he or she was not directly involved in the perpetration of the violation). (Level I through IV—the level of the sanctioning for the student present may depend upon the actual violation committed.)

Breaking and Entering or Theft

Forcible access to property. Possession of stolen property. Attempted or actual theft of property, identity, or services. The unauthorized use of ATM, phone, or credit cards; checks; Northeastern University ID cards; or computer systems (this may include any violation of the university's Appropriate Use of Computer and Network Resources Policy on page 41). (Level I)

Dangerous Weapons

Possession or use of items that could be used or are used to threaten another individual with physical harm. Those items include but are not limited to nunchaku (karate sticks), pepper spray or mace, switchblades, knives, fake guns, tazers, BB guns, fireworks, ammunition, explosive devices, or firearms, except under official supervision as part of a recognized student activity. (Level I)

Disorderly Conduct

Inappropriate, disorderly, or disruptive conduct. Examples include, but are not limited to, impersonating a university official, disruptive behavior in the classroom, public urination, yelling, or use of profanity toward a university official. (Level III)

Disruptive Parties

Hosting a disruptive party, whether on or off campus. Examples include, but are not limited to, gatherings that result in a noise complaint and/or police response, those that are disruptive to neighbors in any way, excessive attendance beyond what is safe and/or reasonable; central sources or large quantities of alcohol present. (Level II or III—The level of sanctioning will be dependent upon the nature of the incident with respect to above description.)

Endangering Behavior

Conduct demonstrating that the student constitutes a threat to others, himself or herself, or to the proper functioning of the university, including threats, bypassing security, and propping safety doors open. This shall also include the use of any item in such a way as to cause fear and intimidation in another or to cause injury. (Level II)

Excessive Consumption

Excessive consumption of alcohol is prohibited regardless of age. Being under the influence of and/or the abuse of drugs is prohibited. Behavioral symptoms frequently associated with excessive consumption or intoxication may include, but are not limited to, impaired motor-skill coordination, difficulty communicating, vomiting, glazed/red eyes, the smell of alcohol on one's breath, verbal and/or physical aggressiveness, destructive and/or disruptive behavior, and engaging in any behavior that may endanger oneself or others. (Level III alcohol and/or drug)

Failure to Comply

Failure to comply with or violation of the terms of an imposed disciplinary sanction. Failure to follow the reasonable directions of university officials (including public safety officers and faculty and staff at Northeastern), law enforcement agents, cooperative work assignment employers, or officials at other colleges and universities that are necessary for the proper conduct of the university and university community. (Level III)

Fire Safety

Breaching campus fire safety or security through:

a. Setting a fire (including charring, burning, lighting of papers, or any other act that could cause a fire), making a bomb threat, causing or creating a false alarm, or other such intentional or reckless conduct that causes harm or reasonable apprehension of harm to persons or property. (Level I)

b. Misusing, tampering, or damaging fire safety equipment (including alarm systems, alarmed fire safety doors, smoke detectors, or fire extinguishers). (Level II)

c. Failure to vacate university buildings during or after a fire alarm. (Level III)

d. Entering or reentering a building during a fire alarm. (Level III)

Forgery

Forgery, alteration, or misuse of documents or records (including, but not limited to, parking permits, software and computer databases and/or systems, and/or email). (Level I)

Gambling

On-campus gambling (the unlawful engaging in, playing, operating, or assisting in operating a game of chance for money or some other stake) or the sale of lottery or raffle tickets. (Level IV)

Hazing

Hazing, as defined by Chapter 269 of the Massachusetts General Laws, or defined as follows: any action taken or situation created, whether voluntary or involuntary, for the purpose of initiation, admission into, affiliation with, or as a condition for continued membership in a group or organization that endangers the mental or physical health or safety of a student; creates risk of injury; or causes mental or physical fatigue or distress, discomfort, embarrassment, harassment, ridicule, intimidation, or that causes damage to or destruction of property. Such activities include, but are not limited to, the following: striking another student by hand or with any instrument; requiring or advocating alcohol or other drug use; late sessions/meetings that interfere with academic activities; tattooing, branding, or piercing; physical or psychological shocks; wearing of apparel in public that is embarrassing, humiliating, or degrading; or games/activities causing or resulting in fatigue, sleep deprivation, mental distress, panic, embarrassment, or humiliation. Activities that would not be considered hazing and therefore acceptable would include agreeing to maintain a specific GPA, comply with a dress code for

a team/organizational function, participate in volunteer community service, participate in a team/organizational trip, take an oath, or sign a contract of standards. (Level II)

Inappropriate Sexual Behavior/Sexual Violence

1. Sexual Assault (Level I)

a. With penetration, defined as the oral, anal, or vaginal penetration by an inanimate object, penis, or other bodily part without consent (consent is defined below). The act of penetration will be considered without consent if the victim was unable to give consent because of a condition of which the offending student was or should have been aware, such as drug and/or alcohol intoxication, coercion, and/or verbal or physical threats, including being threatened with future harm.

b. Without penetration, defined as the unwanted touching of the intimate body parts of another (for example, breasts, buttocks, groin, genitals, or the clothing covering them) or the unwanted touching of a body part not usually considered intimate (such as massage). These acts will be considered unwanted and without consent if the victim was unable to give consent due to a condition of which the offending student was or should have been aware, such as drug and/or alcohol intoxication, coercion, and/or verbal or physical threats, including being threatened with future harm.

2. Sexual Misconduct (Level II)

Sexual misconduct is any unwanted act that is intended in a sexual manner. Examples include, but are not limited to, exposing one's genitals or other intimate body parts to a particular or to the general public; repeated sexually charged verbal abuse related to one's gender; repeated obscene phone calls or mail; or the viewing, filming, photographing and/or recording in any manner or by any means, transmitting, and/or disseminating any recording of any type of sexual acts, partial or full nudity, inappropriate materials, sounds, or images of another person without the knowledge and expressed permission of all parties involved.

CONSENT: Appropriate sexual behavior requires consent from all parties involved. Consent means a voluntary agreement to engage in sexual activity proposed by another. Consent requires mutually understandable and communicated words and/or actions demonstrating agreement to participate in proposed sexual activity. Without consent may be communicated by words and/or actions demonstrating unwillingness to engage in proposed sexual activity. When substance use is involved, a person is not considered able to give consent when the degree of intoxication is such that the victim's judgment is so impaired that he or she would not be capable of making rational decisions about his or her welfare, and as such the person would not be able to give consent to engage in sexual activity.

Inappropriate Use of Identification

Inappropriate identification through:

a. The manufacturing, production, and/or distribution of any fake identification. (Level I)

b. Possession of identification other than your own or possession of a false or altered ID. (Level III)

c. Representing yourself as someone other than who you are. (Level III)

Misrepresentation of Information

Falsification, distortion, or misrepresentation of information to the university or its officials (including public safety officers and faculty and staff at Northeastern), law enforcement agents, cooperative work assignment employers, or officials at other colleges and universities that is intended to mislead in investigations or administrative processes or could adversely affect the mission of the university. (Level III)

Misuse of Electronic Resources

Misuse of electronic systems or methods (for example, email, "hacking," and so on) to steal, misrepresent, threaten, harass, or bully (including cyberbully) or violations of the Appropriate Use of Computer and Network Resources Policy (page 41) and/or any other computer or system use. (Level III)

Noise

Noise disturbances in residence halls, campus, or neighborhood. (Level IV)

Physical Abuse

Physical abuse of others, including, but not limited to, fights and/or injury caused by endangering behavior. (Level I)

Rioting

Rioting, defined as inciting, participating in, or encouraging any disturbance for purposes of committing any action that presents a clear and present danger to self or others, causes physical harm to persons, or vandalism to or destruction of property. (Level I)

Unauthorized Access

Unauthorized access or entry to, into, or onto any property owned or operated by the university or any private or restricted property. (Level II)

Unauthorized Use of Other's Property

Unauthorized use of another's property. (Level IV)

Unauthorized Use of University Identification Marks

Unauthorized use of the university's name or other identifying mark including, but not limited to, postings, letterhead, websites, pamphlets, etc. (Level II)

University Guest Policy

Failure to control guests on campus or at university-sponsored events. Refer to the Residence Hall and Dining License Agreement and/or A Guide to Residence Hall Living for specific

regulations regarding guests in residence halls. (Level I through IV—If a guest violates university policy, the host may be held accountable for actions of the guest. The level of sanctioning for the host may be dependent upon the nature of the incident(s).)

Vandalism
Vandalism to or destruction of property. (Level III)

Violation of University Policies
Violation of any university policy, rule, or regulation published in hard copy or available electronically on the university website. (Level IV)

Violations of Alcohol and Drug Policy
In Massachusetts, an individual must be twenty-one years of age to possess and consume alcohol. The university expects that all of its students, whether on or off campus, abide by the law and abide by university regulations concerning alcohol and drug use. Where a student engages in conduct off campus that violates university regulations concerning alcohol and drug use and such violation results in behavior that, in the university's sole judgment, is destructive, abusive, or detrimental to the university's interests, the university's conduct process shall apply and such matters will be processed accordingly.

1. A person under the age of twenty-one is prohibited from being in the presence of alcoholic beverages in the residence halls, with the following exception: An individual under the age of twenty-one who has a roommate of legal drinking age may be in the presence of an open container of alcohol in his or her room only if his or her roommate of legal drinking age is also present. Non-roommates who are under the age of twenty-one may not be in the room when alcohol is being consumed by the of-age roommate. (Level IV)
2. A person under the age of twenty-one is prohibited from possessing empty alcohol containers. (Level IV)
3. No postings, announcements, promotions, or ticket sales may be made, placed, or distributed on Northeastern University-owned or -leased property for non-university-sponsored events at which alcohol will be served or consumed. (Level IV)
4. On-campus possession of a keg, beerball, alcohol by the case, trash-can punches, other central source of alcoholic beverage, or other unauthorized quantities of alcohol. Personal possession of alcoholic beverages is limited to one twelve-pack of beer (144 ounces/4.26 liters) or one-half gallon (64 ounces/1.89 liters) of wine or one pint (16 ounces/470 milliliters) of hard liquor. (Level III)
5. Possession or consumption of alcoholic beverages in locations or under conditions prohibited by university policy or by law. (Level III)
   a. In Massachusetts, a person must be twenty-one years of age or older to possess or consume alcoholic beverages.

b. An individual twenty-one years of age or older may possess and/or consume alcohol only in his or her residence hall room or in the residence hall room of another resident who is twenty-one years of age or older, provided alcohol is permitted in that residence hall for students of legal age.
   c. Any person under twenty-one years of age may not transport or carry alcohol on his or her person.
   d. Prohibited locations include, but are not limited to, university hallways, lobbies, lounges, stairwells, classrooms, studios, technical facilities, auditoriums, bathrooms, outdoor areas, vehicles, or any other public areas without authorization.
6. The possession or use of items that encourage heavy alcohol consumption is prohibited (examples could include alcohol funnel, AWOL [Alcohol Without Liquid] generators, or vaporizers, etc.), regardless of age. (Level III)
7. Providing alcohol to anyone under the legal drinking age and/or allowing anyone under the legal drinking age to consume alcohol in on- or off-campus residences. (Level II)
8. Distribution, sale, or manufacture of alcohol.* (Level I)
   a. Manufacturing alcohol on Northeastern University-owned or -leased property.
   b. The sale or distribution of alcohol without a liquor license, including, but not limited to, the sale of cups and/or any other form of container for the distribution of alcohol, even to one person.

Distribution or sale of alcohol could result in a sanction of at least suspension from the university.

MINIMUM SANCTION GUIDELINES FOR VIOLATING THE ALCOHOL POLICY

1st violation
- Disciplinary probation
- Mandatory completion of an alcohol education program
- Fine of $100

2nd violation
- Deferred suspension from the university
- Mandatory attendance at alcohol/other drug education program
- Fine of $200

3rd violation
- Suspension from the university
- Mandatory alcohol counseling to be completed off campus
- Permanent notation to student transcript

The prescribed sanctions set forth above may be enhanced if the circumstances involved in the incident are deemed serious in nature (i.e., resulting in a threat to the health or safety of self or others in the university community). Please be advised that students found responsible for violating these regulations risk the cancellation of their Residence Hall License and Dining Agreement.

A letter may be sent home to a parent/legal guardian in all cases where there has been a violation of the Alcohol Policy.

Violation of Drug Policy

1. Knowingly being in the company of anyone who is using illegal drugs. (Level IV)
2. Possession or consumption of illegal drugs, salvia divinorum, or prescription medications belonging to another individual. (Level II)
3. Possession, use, manufacture, distribution, or sale of drug paraphernalia or other items used in preparing or consuming illegal drugs. (Level II)
4. Promotion of illegal drugs. (Level IV)
5. Distribution, sale, or manufacture of drugs (marijuana, mushrooms, prescription drugs, and so on). This includes the sharing of drugs, cultivation of drugs, and any other form of distribution or intention of distribution, even to one person. (Level I)

MINIMUM SANCTION GUIDELINES FOR VIOLATING THE DRUG POLICY

1st violation

- Deferred suspension from the university
- Mandatory attendance at drug education program
- Fine of $200

2nd violation

- Suspension from the university
- Mandatory drug counseling to be completed off campus
- Permanent notation to student transcript

*Distribution, sale, or manufacture of illegal drugs could result in a sanction of expulsion from the university.

The prescribed sanctions set forth above may be enhanced if the circumstances involved in the incident are deemed serious in nature (i.e., resulting in a threat to the health or safety of self or others in the university community). Please be advised that students found responsible for violating these regulations risk the cancellation of their Residence Hall License and Dining Agreement.

A letter may be sent home to a parent/legal guardian in all cases where there has been a violation of the Drug Policy.

Medical Amnesty Policy

In cases of a drug or alcohol emergency, the primary concern is the health and safety of the individual(s) involved. Students'organizations are strongly encouraged to call for medical assistance (617.373.3333) for themselves or for another student who they observe to be or feel is dangerously intoxicated/under the influence of drugs. If a student/ organization calls on behalf of another student, that student/organization is required to remain with the student experiencing the emergency until medical assistance arrives. No student seeking medical assistance for an alcohol or other drug-related emergency will be subject to university disciplinary action for the violation of possession or consumption of alcohol or drugs. This policy shall extend to the referring student/organization who called for medical assistance.

The student requiring medical assistance (and possibly the referring student(s)/organization) will receive information from the OSCCR explaining their requirements to receive medical amnesty. The requirements may include attending a meeting with the Office of Prevention and Education at Northeastern (OPEN). As long as the student(s)/organization complies with all directives, there will be no disciplinary action taken related to the violation of possession or consumption of alcohol or drugs and no disciplinary record of the incident kept in the OSCCR. This policy applies only to those students or organizations who seek emergency medical assistance in connection with an alcohol- or drug-related medical emergency and does not apply to individuals experiencing an alcohol- or drug-related medical emergency who are found by university employees (e.g., Northeastern University police, faculty, administrative staff, or residence hall staff) or where the reporting student(s)/organization did not stay with them.

The Medical Amnesty Policy is not intended to shield or protect those students or organizations that repeatedly violate the Code of Student Conduct. In cases where repeated violations of the Code of Student Conduct occur, the university reserves the right to take disciplinary action on a case-by-case basis regardless of the manner in which the incident was reported.

Medical amnesty applies only to alcohol- or other drug-related emergencies but does not apply to other conduct violations such as assault, property damage, or distribution of illicit substances. If other violations occur, then a student will face disciplinary charges for those violations. The use or abuse of alcohol or drugs is not considered a mitigating circumstance for any other violations of the Code of Student Conduct.

Medical amnesty applies only to the university response to a medical emergency. Criminal/police action may still occur separately from the OSCCR.

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SANCTIONS

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Sanctions imposed for misconduct will be based on a consideration of the following factors:

    a. Nature of the violation(s)
    b. Severity of the damage, injury, or harm resulting therefrom
    c. Student's past disciplinary record
    d. Mitigating circumstances

The following list of sanctions is meant to be illustrative rather than exhaustive. The university reserves the right to create other sanctions as well as choose more than one sanction based on the nature of the misconduct.

1. Expulsion, which is the permanent separation of the student from the university. The student is permanently banned from entering all university property and prohibited from participating in any university-sponsored activities. A permanent notation will appear on the student's transcript.
2. Suspension, which is the separation of the student from the university for a specified period of time, after which the

student is eligible to return. Conditions for readmission may be specified. During the period of suspension, the student is banned from entering all university property, may not live in university housing, and is prohibited from participating in any university-sponsored activities. The student is expected to adhere to all university policies while on suspension and will be held accountable for any violations during the period of suspension. The student will not be granted credit for any academic work during the period of suspension (including a cooperative work assignment). A permanent notation will appear on the student's transcript.

3. Deferred suspension, which is the most serious formal warning for violation of university rules/regulations that places limits on the student's good standing with the university. Students on deferred suspension may be limited in their ability to attend university programs, including those outside the country during the period of deferred suspension. Deferred suspension is for a designated period of time. If the student is found responsible for violating any additional university rule/regulation during the period of deferred suspension, suspension may become effective and the student may be subject to additional sanctions for the additional violation. Restrictions and/or conditions regarding participation in university-sponsored activities may be imposed. Students on deferred suspension may be members of organizations but may not hold any office, either by election, petition, or appointment, in any recognized student organization or group. A student will continue on probationary status for a specified period of time following the completion of deferred suspension.

4. Disciplinary probation, which is a formal warning for violation of university rules/regulations that places limitations on the student's good standing with the university. Probation is for a designated period of time and includes the probability of more severe sanctions to be imposed if the student is found in violation of any university rules/regulations during the period of probation. Students on probation may be members of organizations but may not hold any office, either by election, petition, or appointment, in any recognized student organization or group. Students may run for office while on probation, but they may not take office while still on probation.

5. Letter of warning, which is a formal warning for violation of university rules/regulations, including a statement that continuation or repetition of prohibited conduct may result in more serious sanctions.

6. Cancellation of the Residence Hall and Dining License Agreement, which results in the separation of the student from university residence facilities either permanently or for a definite period of time. Upon the cancellation of the agreement, the student is banned from entering all university residence facilities during the specified period of separation.

7. Loss of ability to hold any office or position, either by election, petition, or appointment, in any recognized student organization or group for a specified amount of time.

8. Loss of membership in teams, clubs, and/or officially recognized organizations.

9. Loss of access to university buildings, facilities, or resources for a specified period of time or permanently.

10. Community service.

11. Restitution, which requires the student to make payment to the university or to specified individuals, groups, or organizations for costs incurred as a result of violation of university rules/regulations.

12. Loss of guest privileges on campus or in residence halls.

13. Submittal of letter of apology to complainant/victim.

14. Educational sanction, which may include attending a program, counseling, developing a program, writing a paper, or other educational sanction. Students may be charged a fee to attend an educational program.

15. Fines as outlined in the Code of Student Conduct.

The university also reserves the right to sanction any student found guilty, who pleads no contest, or is found responsible in a court of law for a violation of law. In these instances, disciplinary action will be administered through the OSCCR and will not be processed by the Student Conduct Board.

Students who are suspended, expelled, or have their Residence Hall and Dining License Agreement canceled are subject to refund policies found in this catalog and the Residence Hall and Dining License Agreement refund policy found in *A Guide to Residence Hall Living*. In addition, students should review their financial aid and scholarship information to get clarification on those policies.

STRUCTURE AND PROCEDURE OF THE CONDUCT PROCESS

Any academic or administrative official, university staff member, faculty member, law enforcement agency, aggrieved member of the community, or student may file a complaint against any student or student organization for misconduct. The role of the OSCCR is to provide resolution to incidents where a violation of the university Code of Student Conduct may have occurred; it does not represent either party. The office does not investigate incidents. Therefore, some incidents may not be referred to the OSCCR to act on until they are fully investigated.

Initiating a Complaint

Any person* wishing to initiate a complaint regarding any Northeastern student may do so by submitting to the OSCCR, in writing, the following information, if available:

1. Name(s) of the accused
2. Description of the incident
3. Names, addresses, and telephone numbers of witnesses
4. Names, addresses, and telephone numbers of those filing the complaint

In general, the person who submits a complaint will serve as the complainant in the conduct process.

Incidents involving resident students and occurring in the residence halls will typically be processed by the Residential Life staff and the sanctions would typically result in less than suspension.

Incidents occurring off campus, or involving off-campus students, or involving Academic Integrity violations will typically be processed by the OSCCR. Cases where the result could be suspension or expulsion from the university may be heard by the Student Conduct Board.

All complaints or incidents referred to the conduct process will be reviewed by the OSCCR to determine if a violation of the Code of Student Conduct could have occurred. If so, the case is assigned to a staff member. Once a case is assigned and necessary documentation is in the office, the staff member will determine the appropriate type of hearing to which the student will be assigned (administrative or referral to Student Conduct Board). The student will be notified of the incident, charges, and a meeting time to discuss the resolution of the case. The staff member reserves the right to determine if the incident can be disposed of by alternative means of resolution by mutual consent of the parties involved, on a basis acceptable to the staff member. Such disposition shall be final and there shall be no subsequent proceedings.

The university reserves the right to adjudicate cases involving illegal use and/or distribution of drugs, or cases where the safety of the university community is judged to be at risk, administratively rather than through the Student Conduct Board if necessary to expediently respond to such violations.

Examples of Violations Typically Heard by the OSCCR:

- Violations while on probation or deferred suspension (that may lead to separation from the university)
- On- or off-campus alcohol distribution
- Second and third alcohol violations
- Second drug violations (and sometimes first when involving numerous violations)
- Violence and sexual assault
- Harassment and intimidation based on race, color, gender, religion, religious creed, sex, sexual orientation, genetic makeup, age, national origin, ancestry, disability, or veteran status
- Theft
- Violations to the Academic Integrity Policy
- Off-campus student violations

When the OSCCR has determined that there may be a possible violation of the Code of Student Conduct, the following will occur in the case of an administrative hearing:

Administrative Hearings by OSCCR Staff and Residence Life Staff

The procedures for administrative hearings are similar to those for the Student Conduct Board except the decision is made by an administrator.

1. The charged student is sent an administrative hearing notice, which notifies the student of the alleged violations, when they occurred, where they occurred, and who the complainant is. It also notifies the student of when and where the hearing will take place. The notice will typically be emailed to the student's university email address. If the student is unable to attend the hearing due to an academic or other reasonable conflict, he or she must contact the office no later than one business day prior to the hearing date to request that the hearing be rescheduled.

2. Hearing: The administrator reviews the documentation concerning the incident with the student. The student tells his or her version of the incident. Third parties including but not limited to witnesses, lawyers, parents, guardians, and advisors are not permitted to attend an administrative hearing. The student is allowed, however, to present written statements from witnesses. The student may request that the administrative hearing be suspended for a brief, and agreed upon amount of time, after the presentation of evidence should he or she desire to reevaluate his or her responsibility for the charges. Based on a review of the information available (which may be delayed if continued review of the incident is required for a decision), the administrator decides if the student is responsible for the alleged violations. If the student is found responsible, the administrator renders a sanction(s).

3. If a student fails to appear for the scheduled meeting, then the administrator has the option to dismiss the action with or without prejudice to either party, set a new hearing date, or make a decision based on the information available to the administrator.

4. The decision letter: The administrator will notify the student of the decision of the hearing via written communication. The letter will include the rationale for the finding, sanctions (if applicable), and information on the appeal process (if applicable). Unless otherwise noted in a student's records, the university reserves the right to notify parents in the outcome of all cases.

Prehearing Meeting

When the OSCCR has determined that there may be a possible serious violation of the Code of Student Conduct that could result in suspension or expulsion, the case will be referred to the Student Conduct Board for resolution. The student will be sent a prehearing notice and a time to meet with an administrator to begin the process to resolve the incident.

1. The charged student is sent a prehearing notice, which notifies the student of the alleged violations, when they occurred, where they occurred, and who the complainant is. It also notifies the student of when and where the prehearing will take place. The notice will typically be emailed to the student's university email address. If the student is unable to attend the prehearing due to an academic or other reasonable conflict, he or she must contact the office no later than one business day prior to the prehearing date to request that the prehearing be rescheduled.

2. In the prehearing, the hearing administrator reviews the incident and the charges against the student and shares the written documentation that forms the basis of the complaint. Third parties, including but not limited to, witnesses, lawyers, parents, guardians, and advisors are not permitted to attend a prehearing meeting. During the prehearing, the hearing administrator explains the process for resolving the case to the student. The student can either elect to accept responsibility for the charges or contest responsibility for the charges and have the Student Conduct Board hearing scheduled. Upon request, a student can delay this decision for no more than two business days after the prehearing.

3. Students who accept responsibility for the charges are scheduled for an admitted responsibility meeting. At this meeting, a hearing administrator presents the student's acceptance of responsibility, along with the written documentation, to at least two members of the Student Conduct Board. The student may provide a verbal statement as well as additional written documentation to the board. The members of the Student Conduct Board then determine the sanctions.

4. Students who contest the charges and request a Student Conduct Board hearing will be assigned the next available hearing date by an administrator in the OSCCR (see "Student Conduct Board Hearing Procedures" on page 201). A student's request for an extension must be supplemented by written documentation. An extension will be granted only under extreme circumstances and at the discretion of the OSCCR.

5. During the prehearing, the hearing administrator will share a list of current Student Conduct Board members. The charged student can request the elimination of an unlimited number of potential Student Conduct Board members from his or her hearing. An explanation for this request must be supplied and will be approved at the discretion of the hearing administrator.

6. The OSCCR reserves the right to refer all students from the same incident to a Student Conduct Board hearing for a resolution, regardless of an individual student's preference regarding acceptance or contesting of responsibility.

7. Should more than one student be involved in an incident going before a Student Conduct Board, then all students involved may be assigned to the same hearing.

Composition of the Student Conduct Board Hearing

1. The Student Conduct Board shall hear cases involving undergraduate, graduate, online, law, and professional studies students and shall consist of student board members (resident and nonresident students). In cases involving graduate and professional studies students, a simple majority of the board members will be graduate students.

2. The chairperson will be a student. His or her responsibilities during the hearing will be to act as presiding officer at hearings and in all voting procedures.

3. A hearing administrator from the OSCCR will be present during the hearing and all deliberations. The hearing administrator's role is to ensure the procedures are followed during the hearing of all cases. He or she does not vote or represent either party.

4. The board will consist of five student members. A hearing may go forward with a board of three student members provided the charged student(s) give written agreement to move forward.

Temporary Injunction
(Temporary Orders of Restraint)

If a student or student organization is acting in such a way that may prove to be a violation of the Code of Student Conduct, a designated university administrator may issue a temporary injunction/order of restraint in order to prevent the continuation of such behavior. It is not necessary for there to be currently ongoing proceedings or even charges against the student or student organization when a temporary injunction/order of restraint is issued. A designated university administrator may issue a temporary injunction/order of restraint, according to the guidelines listed, when harm is deemed to be occurring and immediate action is deemed necessary. The injunction will be enforced by the OSCCR.

1. A designated university administrator may issue a temporary injunction/order of restraint to prevent a student from acting in specified ways that may prove to be violations of the Code of Student Conduct. The designated university administrator may also prevent a student or student organization from committing an act that would negatively impact or interfere with the OSCCR proceedings.

2. The designated administrator may restrain a student or student organization from assuming or exercising privileges granted to them by the university, pending action, and may

issue a temporary injunction/order of restraint until a final judgment can be rendered.

3. In order to receive a temporary injunction/order of restraint, the prohibited action must be within the jurisdiction of the designated administrator issuing such an order.

4. The designated administrator sets the date that the temporary injunction/order of restraint expires, a period that initially will not exceed ten days. The ten-day period may be extended for cause or if the restrained party consents to an extension.

5. All temporary injunctions/orders of restraint will specify the reasons for the restraint, the act or acts that are restrained, and the parties bound by such restraint.

Interim Suspension

The vice president for student affairs or his or her designee may remove or interimly suspend a student from the residence halls and/or classes and/or campus pending the completion of the hearing process, including the appeals period, if sufficient facts indicate the student presents a threat to himself or herself, to others, or to the university community.

STUDENT CONDUCT BOARD HEARING PROCEDURES

At a disciplinary hearing, the formal rules of evidence applicable to civil and criminal court cases shall not apply.

1. All parties involved have the opportunity to submit a written personal statement and character statements no later than two business days prior to the hearing. The hearing administrator has the right to adjust this timeline should the case warrant such a change.

2. Attendance at hearings is limited to parties involved and university officials as deemed necessary by the board and/or by the OSCCR. Attorneys, parents, or guardians are not permitted in Student Conduct Board hearings. Each party may have any one member of the university community as an advisor. In addition, the OSCCR makes available a list of members of the university community who are willing and able to serve as advisors and who have been trained in the conduct process. Staff or faculty who are hired as a student's legal counsel outside the conduct process may not also act as a student's advisor in the university process. The charged student or complainant may act without an advisor if he or she wishes. The role of the advisor is:

   a. to provide the advisee with assistance in understanding how the hearing will proceed,

   b. to provide assistance with understanding the resolution process, and

   c. to provide emotional support before, during, and after a hearing. At no time is the advisor permitted to address the board directly.

3. Witnesses may be presented by the complainant or the charged student provided that a witness list is submitted to the OSCCR two business days prior to the hearing. Live

character statements are not permitted. A written request requiring the appearance of an individual before the Student Conduct Board may be issued by a staff member of the OSCCR if it is determined that the person's appearance is necessary in providing information for the board to make a decision regarding a student's case.

4. If either party fails to appear when the case is called for a hearing, the Student Conduct Board or hearing administrator, in their sole discretion, may dismiss the action with or without prejudice to either party, set a new hearing date, or continue the hearing without that party present and/or represented. In the last instance, the board or hearing administrator may make decisions regarding responsibility and sanction the charged student as appropriate.

5. Presentation of information shall generally proceed as follows:

   a. Complainant's (complainant is the individual or the office that initiated a complaint to the OSCCR) opening statement and perspective
      • Questioning of complainant (charged student and conduct board members)

   b. Charged student's (a charged student is the individual(s) charged with a violation of the Code of Student Conduct) opening statement and perspective
      • Questioning of charged student (complainant and conduct board members)

   c. Statements from complainant's witnesses
      • Questioning of complainant's witnesses (complainant, charged student, and conduct board members)

   d. Statements from charged student's witnesses
      • Questioning of charged student's witnesses (charged student, complainant, and conduct board members)

   e. Final questions from the Student Conduct Board

   f. Complainant's closing statement

   g. Charged student's closing statement, including any statement as to mitigating circumstances

   h. The board may ask questions at any time during the hearing

6. During the course of a hearing, all points of clarification shall be determined by the hearing administrator or a majority vote of the Student Conduct Board members.

7. Student Conduct Board proceedings are audio-recorded for the purpose of appeals only. Students who appeal may request to listen to the recording of the hearing in the OSCCR. Recordings are not to be removed from the OSCCR. Recordings are destroyed upon expiration of the appeal period.

8. Decisions of responsibility are made based on a preponderance of information and a majority vote by the board.

9. All records of the case will be confidential.

10. Members of the Northeastern University police may be requested to be present at hearings when the case warrants it.

11. Decisions to impose a level I sanction for any violation other than a level I violation shall require a simple majority vote.
12. Students scheduled for a prehearing during the last two weeks of classes or finals week have the option of electing to:
    a. choose an administrative hearing to be held prior to leaving for the semester, or
    b. return the next semester for a full Student Conduct Board hearing. This option may involve a financial loss depending on the student's circumstance regarding classes and housing.

The student's choice of a hearing body is final.

13. Decisions made by a Student Conduct Board or an administrator for all hearings shall be final, pending the normal appeal process.
14. The decision letter: The administrator will notify the student of the decision of the hearing via written communication. The letter will include the rationale for the finding, sanctions (if applicable), and information on the appeal process (if applicable). The university reserves the right to notify parents of the outcome of cases, consistent with applicable law. In cases involving sexual violence, abuse of others, and physical abuse, the administrator will notify both students of the decision of the hearing via written communication. The letter to the charged student will include the rationale for the finding, sanctions (if applicable), and information on the appeal process (if applicable). Unless otherwise noted in a student's records, the university reserves the right to notify parents of the outcome of all cases. The letter to the complainant will include the finding(s), the sanctions that directly relate to the complainant, and information on the appeal process (if applicable).

PROCEDURES FOR STUDENT APPEALS

Students may appeal disciplinary actions based on the following:
a. The student asserts a procedural error that impaired his or her right to a fair opportunity to be heard.
b. Information has arisen that could not reasonably have been made available during the original hearing and may have been sufficient to alter the original Student Conduct Board/officer's decision.
c. The student requests a review of the sanction because of extraordinary circumstances.

Students may appeal disciplinary actions as follows:
1. Appeals of Student Conduct Board or administrative hearings must be made in writing, by the charged student, to the OSCCR no more than five business days after the date of the decision letter. It is the student's responsibility to obtain a copy of the decision letter. The student must fill out the appeal form that was included with the decision letter, as well as submit an appeal letter that specifically addresses the reason for the appeal. The appeals process is primarily a paper process and will not typically involve a meeting with the charged student or other persons unless requested by the Appeals Board. The appropriate appeals body will review the paper appeal submitted by the charged student, the documentation from the original case, and any other information deemed necessary by the OSCCR and will make a decision. The audio recording of the original hearing (in the case of Student Conduct Board hearings) will be made available to the Appeals Board as well. In cases involving sexual violence, abuse of others, and physical abuse, the charged student and the complainant have the right to an appeal based on the three reasons stated above.
2. Appeals of hearings heard by Residential Life staff will be reviewed by the director of the OSCCR or his or her designee.
3. Appeals of hearings heard by an administrator in the OSCCR and appeals of Student Conduct Board cases will be heard by the Appeals Board. Appeals Board members are individuals who were not involved in the original hearing. The Appeals Board will consist of three voting members (one of whom will be the chair). The board will be comprised of two representatives from Academic Affairs and Enrollment Management and Student Affairs and a Student Conduct Board member. The director of the OSCCR or designee will serve as an ex-officio member of the Appeals Board.
4. Appeals of administrative hearings or Student Conduct Board decisions will be heard only if the student asserts a procedural error that impaired his or her right to a fair opportunity to be heard or if information has arisen that was not reasonably available during the original hearing and may have altered the outcome of the hearing or if a student requests a review of the imposed sanctions due to extraordinary personal circumstances.
5. The Appeals Board will take one of the following actions:
   a. concur with original action.
   b. remand the matter to the appropriate hearing body if based on a procedural error. In this case, the entire case may be reheard, as if it had not been heard before.
   c. remand the matter back to the original hearing board if based on the grounds of new information. The original board, complainant, charged students, and if required, witnesses, will be reconvened to review only the new information. The board will then render a decision based on the new information.
   d. mitigate the sanctions. Students should understand that this option would be exercised only in rare circumstances. The university reserves the right to take any action necessary to corroborate the student's statements.
6. All decisions of the Appeals Board are final.

MAINTENANCE OF DISCIPLINARY RECORDS

1. The university will permanently maintain the disciplinary records of those students separated from Northeastern by suspension or expulsion. The comment "Withdrawn,

Expulsion" will be printed on the student's transcript if the student is expelled. The comment "Withdrawn, University Action" will be printed on the student's transcript if the student is suspended.

2. The university will destroy the disciplinary records of those students who received sanctions other than suspension or expulsion upon graduation from Northeastern.

3. If a student withdraws from the university, disciplinary records will be maintained until the student's original expected graduation date. If the student reenters the university, the records will be destroyed upon graduation.

4. Information on a case will be kept beyond a student's graduation in compliance with federal reporting guidelines.

5. Students have the right to submit any documentation in their disciplinary file to amend a record they believe to be inaccurate or misleading.

INTERPRETATION AND REVISION

1. Any question of interpretation or application of the Code of Student Conduct shall be referred to the director of the OSCCR or his or her designee for final determination.

2. A full review of the Code of Student Conduct will be completed periodically, at least every three years, under the direction of the director of the OSCCR or his or her designee. Suggestions for revisions and modifications may be submitted at any time, for review, to the vice president of Student Affairs or his or her designee.

Statements of Accreditation

ACCREDITATION

Northeastern University has maintained its status as a member in good standing of the New England Association of Schools and Colleges (NEASC) Commission on Institutions of Higher Education (CIHE) since it was awarded its initial accreditation in 1940. The university was last reviewed by NEASC in 2008 and will be reviewed again in fall 2018.

Northeastern University possesses degree-granting authority in Massachusetts, under the auspices of the Massachusetts Board of Higher Education.

Program	Accrediting Agency
Northeastern University	New England Association of Schools and Colleges (NEASC)

Bouvé College of Health Sciences

Program	Accrediting Agency
BS in Athletic Training	Commission on Accreditation of Athletic Training Education (CAATE)
MS in Speech-Language Pathology and Audiology	Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association (ASHA), Massachusetts Board of Education*
BS in Nursing	Commission on Collegiate Nursing Education (CCNE) and Massachusetts Board of Registration in Nursing**
MS in Physician Assistant Studies	Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA)
MS in Nursing	Commission on Collegiate Nursing Education (CCNE) and Massachusetts Board of Registration in Nursing**
MS in Nursing in Anesthesia	Council on Accreditation of Nurse Anesthesia Educational Programs (COA); Commission on Collegiate Nursing Education (CCNE) and Massachusetts Board of Registration in Nursing**
Registered Nurse/BSN***	Commission on Collegiate Nursing Education (CCNE) and Massachusetts Board of Registration in Nursing**

Program	Accrediting Agency
Post BS Doctor of Nursing Practice US Army Program in Anesthesia Nursing (USAGPAN)	Council on Accreditation of Nurse Anesthesia Educational Programs (COA)
DPT in Physical Therapy	Commission on Accreditation of Physical Therapy Education (CAPTE)
MS/MBA (two-year program)	Commission on Collegiate Nursing Education (CCNE) and Massachusetts Board of Registration in Nursing**; Commission on Collegiate Nursing Education (CCNE) and the Association to Advance Collegiate Schools of Business (AACSB International)
MS and CAGS in Applied Educational Psychology—School Psychology	Massachusetts Department of Education (DOE) and National Association of School Psychologists (NASP)
MS in Applied Educational Psychology—School Counseling	Massachusetts Department of Education (DOE)
AuD in Audiology	Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language- Hearing Association (ASHA), Massachusetts Board of Education*
MPH Master of Public Health in Urban Health	Council on Education for Public Health
PharmD	Accreditation Council for Pharmacy Education (ACPE)
PhD in Counseling and School Psychology	American Psychology Association (APA)

College of Arts, Media and Design

Master of Architecture (Urban Architecture)	National Architectural Accreditation Board (NAAB)

Program	Accrediting Agency
D'Amore-McKim School of Business	
BS in Business Administration	AACSB International—The Association to Advance Collegiate Schools of Business
BS and MS in International Business	AACSB International—The Association to Advance Collegiate Schools of Business
MBA	AACSB International—The Association to Advance Collegiate Schools of Business
MS in Finance	AACSB International—The Association to Advance Collegiate Schools of Business
MS in Taxation	AACSB International—The Association to Advance Collegiate Schools of Business
MS in Accounting	AACSB International—The Association to Advance Collegiate Schools of Business
MS in Accounting/MBA	AACSB International—The Association to Advance Collegiate Schools of Business
MS in Finance/MBA	AACSB International—The Association to Advance Collegiate Schools of Business
MS in Technological Entrepreneurship	AACSB International—The Association to Advance Collegiate Schools of Business
College of Computer and Information Science	
BS in Computer Science	Computing Accreditation Commission of ABET (Accreditation Board for Engineering & Technology)
College of Engineering	
BS in Computer Engineering	Engineering Accreditation Commission of ABET
BS in Chemical Engineering	Engineering Accreditation Commission of ABET
BS in Civil Engineering	Engineering Accreditation Commission of ABET
BS in Electrical Engineering	Engineering Accreditation Commission of ABET
BS in Industrial Engineering	Engineering Accreditation Commission of ABET
BS in Mechanical Engineering	Engineering Accreditation Commission of ABET

Program	Accrediting Agency
College of Professional Studies	
AS and Certificate in Paramedic Technology	Massachusetts Department of Public Health, Office of Emergency Medical Services
BS in Finance and Accounting Management***	AACSB International—The Association to Advance Collegiate Schools of Business
BS in Management***	AACSB International—The Association to Advance Collegiate Schools of Business
BS and AS in Computer Engineering Technology	Accredited by the Technology Accreditation Commission of ABET, 111 Market Place Suite 1050 Baltimore, MD 21202-4012 Telephone: 410.347.7700
BS and AS in Electrical Engineering Technology	Accredited by the Technology Accreditation Commission of ABET, 111 Market Place Suite 1050 Baltimore, MD 21202-4012 Telephone: 410.347.7700
BS and AS in Mechanical Engineering Technology	Accredited by the Technology Accreditation Commission of ABET, 111 Market Place Suite 1050 Baltimore, MD 21202-4012 Telephone: 410.347.7700
Education Programs in:	
Teacher of Biology, 8–12	Massachusetts Department of Elementary and Secondary Education
Teacher of Chemistry, 8–12	Massachusetts Department of Elementary and Secondary Education
Teacher of Earth Science, 5–8, 8–12	Massachusetts Department of Elementary and Secondary Education
Teacher of Mathematics, 5–8, 8–12	Massachusetts Department of Elementary and Secondary Education
Teacher of Physics, 8–12	Massachusetts Department of Elementary and Secondary Education
Elementary Education, 1–6	Massachusetts Department of Elementary and Secondary Education
Teacher of English, 8–12	Massachusetts Department of Elementary and Secondary Education

Program	Accrediting Agency
Teacher of Foreign Language: Spanish, 5–12	Massachusetts Department of Elementary and Secondary Education
Teacher of History, 8–12	Massachusetts Department of Elementary and Secondary Education
Teacher of Political Science/Political Philosophy, 8–12	Massachusetts Department of Elementary and Secondary Education
Teacher of Students with Moderate Disabilities Pre-K–8, 5–12	Massachusetts Department of Elementary and Secondary Education
MS in Leadership with Project Management	Project Management Institute's Global-Accreditation Center
MS in Technology Commercialization	AACSB International—The Association to Advance Collegiate Schools

College of Social Sciences and Humanities

BS in Criminal Justice	Massachusetts Board of Education*
MS in Criminal Justice	Massachusetts Board of Education*
PhD in Criminal Justice	Massachusetts Board of Education*
Master of Public Administration	National Association of Schools of Public Affairs and Administration

School of Law

JD	American Bar Association Association of American Law Schools****

   *The Massachusetts Board of Education approves (not accredits) programs.
   **The Massachusetts Board of Registration in Nursing approves (not accredits) programs.
   ***Accredited under the aegis of the "sponsoring" full-time college.
****The Association of American Law Schools is an elected membership organization, not an accrediting body.

STATE LICENSURE

Licensed by the South Carolina Commission on Higher Education, 1122 Lady Street, Suite 300, Columbia, SC 29201, Telephone 803.737.2260. Licensure indicates only that minimum standards have been met; it is not an endorsement or guarantee of quality. Licensure is not equivalent to or synonymous with accreditation by an accrediting agency recognized by the U.S. Department of Education.

APPROVALS, AUTHORIZATIONS, AND EXEMPTIONS

See the corresponding addendum at www.northeastern.edu /registrar/appr-auth-exem.html for up-to-date regulatory information specific to Northeastern's online program offerings.

Institutional Calendars and Online Resources

The online resources listed below supplement this catalog.

INSTITUTIONAL CALENDARS

University events:
www.curry.neu.edu

Academic calendars:
www.northeastern.edu/registrar/calendars.html

OTHER ONLINE RESOURCES

Course descriptions:
www.northeastern.edu/registrar/banner-catalog.html

Class schedules:
www.northeastern.edu/registrar/banner-schedule.html

Campus maps:
www.northeastern.edu/campusmap

The *Northeastern University Graduate Catalog* contains the university's primary statements about these academic programs and degree requirements, as authorized by the president or the Board of Trustees. For information about other academic policies and procedures; student responsibilities; student academic and cocurricular life; faculty rights and responsibilities; or general personnel policies, benefits, and services, please refer to the *Academic Operations Manual, Undergraduate Student Handbook, Graduate Student Handbook*, *Cooperative Education Handbook, Faculty Handbook, Benefits and Services Handbook,* and related procedural guides, as appropriate.

Accreditation. Northeastern University is accredited by the New England Association of Schools and Colleges, Inc.

Delivery of Services. Northeastern University assumes no liability for delay or failure to provide educational or other services or facilities due to causes beyond its reasonable control. Causes include, without limitation, power failure, fire, strikes by university employees or others, damage by natural elements, and acts of public authorities. The university will, however, exert reasonable efforts, when it judges them to be appropriate, to provide comparable services, facilities, or performance; but its inability or failure to do so shall not subject the university to liability.

The *Northeastern University Graduate Catalog* contains current information about the university calendar, admissions, degree requirements, fees, and regulations; however, such information is not intended and should not be regarded to be contractual.

Northeastern University reserves the sole right to promulgate and change rules and regulations and to make changes of any nature in its program; calendar; admissions policies, procedures, and standards; degree requirements; fees; and academic schedule whenever necessary or desirable, including, without limitation, changes in course content and class schedule, the cancellation of scheduled classes and other academic activities, and the substitution of alternatives for scheduled classes and other academic activities. In any such case, the university will give whatever notice is reasonably practical.

Northeastern University will endeavor to make available to its students a fine education and a stimulating and congenial environment. However, the quality and rate of progress of an individual's academic career and professional advancement upon completion of a degree or program are largely dependent on his or her own abilities, commitment, and effort. In many professions and occupations, there are also requirements imposed by federal and state statutes and regulatory agencies for certification or entry into a particular field. These requirements may change while a student is enrolled in a program and may vary from state to state or country to country. Although the university stands ready to help its students find out about requirements and changes in them, it is the student's responsibility to initiate the inquiry.

Tuition Default Policy. In cases where the student defaults on his or her tuition, the student shall be liable for the outstanding tuition and all reasonable associated collection costs incurred by the university, including attorneys' fees.

Emergency Closing of the University. Northeastern University posts emergency announcements, including news of weather-related closings, on its homepage, at www.northeastern.edu. In addition, the university has made arrangements to notify students, faculty, and staff by radio and television when it becomes necessary to cancel classes because of extremely inclement weather. AM stations WBZ (1030), WILD (1090), and WRKO (680) and FM station WBUR (90.9) are the radio stations authorized to announce the university's decision to close. Television stations WBZ-TV4, WCVB-TV5, and WHDH-TV7 will also report cancellations. Since instructional television courses originate from live or broadcast facilities at the university, neither the classes nor the courier service operates when the university is closed. Please listen to the radio or television to determine whether the university will be closed.

If a storm occurs at night, the announcement of university closing is given to the radio stations at approximately 6 A.M. Classes are generally canceled for that entire day and evening at all campus locations unless stated otherwise. When a storm begins late in the day, cancellations of evening classes may be announced. This announcement is usually made between 2 and 3 P.M.

Equal Opportunity Policy. Northeastern University does not discriminate on the basis of race, color, religion, sex, sexual orientation, age, national origin, disability, or veteran status in admission to, access to, treatment in, or employment in its programs and activities. In addition, Northeastern University will not condone any form of sexual harassment. Handbooks containing the university's nondiscrimination policies and its grievance procedures are available in the Office of Institutional Diversity and Equity, 125 Richards Hall. Inquiries regarding the university's nondiscrimination policies may be directed to:

Office of Institutional Diversity and Equity
125 Richards Hall
Northeastern University
Boston, MA 02115
617.373.2133

Inquiries concerning the application of nondiscrimination policies may also be referred to the Regional Director, Office for Civil Rights, U.S. Department of Education, 8th Floor, 5 Post Office Square, Boston, MA 02109-3921.

Disability Resource Center. The Disability Resource Center provides a variety of disability-related services and accommodations to Northeastern University's students and employees with disabilities.

Northeastern University's compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 are coordinated by the dean and director of the Disability Resource Center. Persons requiring information regarding the Disability Resource Center should contact the center at 617.373.2675 or 617.373.2730 (TTY).

Family Educational Rights and Privacy Act. In accordance with the Family Educational Rights and Privacy Act of 1974, Northeastern University permits its students to inspect their records wherever appropriate and to challenge specific parts of them when they feel it is necessary to do so. Specific details of the law as it applies to Northeastern are printed in the *Undergraduate Student Handbook* and *Graduate Student Handbook* and are distributed annually at registration for the university's colleges and graduate schools.

Mission Statement:
To educate students for a life of fulfillment and accomplishment.
To create and translate knowledge to meet global and societal needs.

NU 09.26.12