

Northeastern University

Undergraduate Catalog 2010–2011

Full-Time Day Programs

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Directory of Academic Programs

MAJORS AND CONCENTRATIONS

Listed below are the majors and, where applicable, concentrations offered by the undergraduate full-time day colleges at Northeastern University. Also shown for each major is the page number of the catalog section containing the program.

Accounting— <i>See</i> Business Administration			
African-American Studies	250		
Applied Physics	232		
American Sign Language	251		
Combined major with Human Services	251		
Combined major with Psychology	251		
Combined major with Theatre	251		
Anthropology (<i>combined major only</i>)			
Combined major with International Affairs	284		
<i>See also</i> Cultural Anthropology			
Anthropology, Cultural	331		
Architecture	47		
Art	48		
Art, Digital	48		
Combined major with Computer Science	147		
Combined major with Game Design	48		
Combined major with Interactive Media	48		
Art, Studio	48		
Asian Studies	255		
Audiology, Speech-Language Pathology and	96		
Behavioral Neuroscience	191		
Biochemistry	193		
Biology	197		
Concentration:			
Marine Biology			
Combined major with Computer Science	147		
Combined major with Environmental Geology	197		
Combined major with Geology	197		
Combined major with Mathematics	197		
Biomedical Physics	232		
Business Administration			
Concentrations:			
Accounting	110		
Entrepreneurship and Innovation	111		
Finance	113		
International Business	115		
Management	130		
Management Information Systems	132		
Marketing	134		
Supply Chain Management	135		
Combined major with Computer Science	147		
Combined major with Information Science	147		
Chemical Engineering	169		
Combined major with Physics	169		
Chemistry	205		
Combined major with Environmental Geology	208		
Combined major with Geology	208		
Cinema Studies (<i>combined majors only</i>)			
Combined major with Communication Studies	59		
Combined major with English	59		
Combined major with Journalism	59		
Combined major with Languages, Literatures, and Cultures	59		
Combined major with Philosophy	59		
Combined major with Theatre	59		
Civil Engineering	172		
Communication Studies	71		
Concentrations:			
Media Studies			
Organizational Communication			
Public Advocacy and Rhetoric			
Combined major with Cinema Studies	59		
Computer Engineering	175		
Combined major with Electrical Engineering	175		
Computer Science	139		
Combined major with Biology	147		
Combined major with Business Administration	147		
Combined major with Cognitive Psychology	147		
Combined major with Digital Art	147		
Combined major with Environmental Science	147		
Combined major with Game Design	147		
Combined major with Information Science	147		
Combined major with Interactive Media	147		
Combined major with Mathematics	147		
Combined major with Music	147		
(concentration in Music Technology)			
Combined major with Physics	147		
Creative Industries— <i>See</i> Game Design, Interactive Media			
Criminal Justice	258		
Combined major with Human Services	274		
Cultural Anthropology	331		
Digital Art	48		
Combined major with Computer Science	147		
Combined major with Game Design	48		
Combined major with Interactive Media	48		
Economics	261		
Combined major with Environmental Studies	214		
Combined major with International Affairs	284		
Combined major with Mathematics	261		
Combined major with Political Science	321		

Education (<i>combined major only</i>)		Graphic Design	48
Combined major with Psychology	238	Combined major with Game Design	48
Electrical Engineering	175	Combined major with Interactive Media	48
Combined major with Computer Engineering	175	Health Science	91
Combined major with Physics	175	History	269
Electrical/Computer Engineering	175	Concentration:	
Engineering, Chemical	169	Public History	
Combined major with Physics	169	Combined major with Environmental Studies	214
Engineering, Civil	172	Human Services	274
Engineering, Computer	175	Combined major with American Sign Language	251
Combined major with Electrical Engineering	175	Combined major with Criminal Justice	274
Engineering, Electrical	175	Combined major with International Affairs	274
Combined major with Computer Engineering	175	Industrial Engineering	184
Combined major with Physics	175	Information Science	145
Engineering, Industrial	184	Combined major with Business Administration	147
Engineering, Mechanical	184	Combined major with Cognitive Psychology	147
English	266	Combined major with Computer Science	147
Combined major with Cinema Studies	59	Combined major with Environmental Science	147
Combined major with Linguistics	224	Interactive Media (<i>combined majors only</i>)	
Entrepreneurship and Innovation— <i>See</i> Business Administration		Combined major with Computer Science	147
Environmental Geology (<i>combined majors only</i>)		Combined major with Digital Art	48
Combined major with Biology	197	Combined major with Graphic Design	48
Combined major with Chemistry	208	Combined major with Music	76
Combined major with Environmental Studies	208	(concentration in Music Technology)	
Combined major with Mathematics	208	International Affairs	284
Combined major with Physics	208	Concentration:	
<i>See also</i> Geology		Middle East Studies	
Environmental Science	208	Combined major with Anthropology	284
Concentrations:		Combined major with Economics	284
Environmental Geology		Combined major with Environmental Studies	214
Marine Science		Combined major with Human Services	274
Surficial Processes		Combined major with Languages, Literatures,	310
Wildlife Studies		and Cultures	
Combined major with Computer Science	147	Combined major with Political Science	321
Combined major with Information Science	147	Combined major with Religious Studies	284
Environmental Studies	214	International Business— <i>See</i> Business Administration	
Combined major with Economics	214	Jewish Studies (<i>combined major only</i>)	
Combined major with Environmental Geology	208	Combined major with Religion	307
Combined major with History	214	Journalism	79
Combined major with International Affairs	214	Combined major with Cinema Studies	59
Combined major with Philosophy	214	Languages, Literatures, and Cultures (<i>combined majors only</i>)	
Combined major with Political Science	214	Combined major with Cinema Studies	59
Finance— <i>See</i> Business Administration		Combined major with International Affairs	310
Game Design (<i>combined majors only</i>)		Languages, Spanish	310
Combined major with Computer Science	147	Linguistics	224
Combined major with Digital Art	48	Combined major with English	224
Combined major with Graphic Design	48	Combined major with Psychology	224
Geology (<i>combined majors only</i>)		Management— <i>See</i> Business Administration	
Combined major with Biology	197	Management Information Systems— <i>See</i> Business Administration	
Combined major with Chemistry	208	Marketing— <i>See</i> Business Administration	
Combined major with Mathematics	208		
Combined major with Physics	208		
<i>See also</i> Environmental Geology			

Mathematics	228	Religious Studies	317
Combined major with Biology	197	Combined major with International Affairs	284
Combined major with Computer Science	147	Combined major with Jewish Studies	307
Combined major with Economics	261	(Jewish Studies and Religion)	
Combined major with Environmental Geology	208	<i>See also</i> Philosophy	
Combined major with Geology	208	Sign Language, American	251
Combined major with Physics	228	Combined major with Human Services	251
Mechanical Engineering	184	Combined major with Psychology	251
Music	80	Combined major with Theatre	251
Concentrations:		Sociology	331
Music History and Analysis		Spanish	310
Music Industry		Speech-Language Pathology and Audiology	96
Music Technology		Studio Art	48
Combined major with Computer Science	147	Supply Chain Management— <i>See</i> Business Administration	
(concentration in Music Technology)		Theatre	85
Combined major with Interactive Media	76	Concentrations:	
(concentration in Music Technology)		Performance	
Nursing	101	Production	
Pharmacy	103	Combined major with American Sign Language	251
Philosophy	317	Combined major with Cinema Studies	59
Concentrations:			
Law and Ethics			
Religious Studies			
Combined major with Cinema Studies	59		
Combined major with Environmental Studies	214		
Combined major with Physics	232		
<i>See also</i> Religious Studies			
Physical Therapy	93		
Physics	232		
Combined major with Chemical Engineering	169		
Combined major with Computer Science	147		
Combined major with Electrical Engineering	175		
Combined major with Environmental Geology	208		
Combined major with Geology	208		
Combined major with Mathematics	228		
Combined major with Philosophy	232		
Physics, Applied	232		
Physics, Biomedical	232		
Political Science	321		
Concentrations:			
International and Comparative Politics			
Law and Legal Issues			
Public Policy and Administration			
Combined major with Economics	321		
Combined major with Environmental Studies	214		
Combined major with International Affairs	321		
Psychology	238		
Combined major with American Sign Language	251		
Combined major with Computer Science	147		
(Computer Science and Cognitive Psychology)			
Combined major with Education	238		
Combined major with Information Science	147		
(Information Science and Cognitive Psychology)			
Combined major with Linguistics	224		

PLUSONE BACHELOR'S/MASTER'S PROGRAMS

Listed below are the PlusOne bachelor's/master's degree programs offered by the undergraduate full-time day colleges and the graduate schools at Northeastern University. Also shown for each PlusOne program is the page number of the catalog section containing the program.

Applied Physics and Engineering	232
Biochemistry/Biotechnology	193
Biology/Biotechnology	197
Chemical Engineering	169
Chemistry	205
Civil Engineering	172
Communication Studies/Communication, Media, and Cultural Studies	71
Computer Engineering, Electrical and Computer Science	175 139
Criminal Justice	258
Economics	261
Electrical and Computer Engineering	175
Engineering, Applied Physics and	232
Engineering, Chemical	169
Engineering, Civil	172
Engineering, Electrical and Computer	175
Engineering, Industrial	184
Engineering, Mechanical	184
English	266
Health Science/Public Health	91
History	269
Industrial Engineering	184
Mathematics	228

Mechanical Engineering	184
Physics, Applied, and Engineering	232
Political Science	321
Sociology	331
Speech-Language Pathology and Audiology	96

MINORS

Listed below are the minors offered by the undergraduate full-time day colleges at Northeastern University. Also shown for each minor is the page number of the catalog section containing the program.

African-American Studies	250	Engineering, Mechanical	184
American Sign Language	251	English Literature	266
Anthropology, Cultural	331	English Writing	266
Arabic	310	Entrepreneurship, Technological	137
Architectural History	47	Environmental Geology	208
Art + Design (non-Art + Design majors only)	48	Environmental Science	208
Art History	48	Environmental Studies	214
Art, Digital (graphic design majors only)	48	Ethics	317
Asian Studies, East	255	Ethnomusicology	80
Biochemical Engineering	169	Exercise Physiology	91
Biology	197	French	310
Biology, Marine	197	General Music	80
Biomechanical Engineering	184	Geology	208
Biomedical Engineering	175	Geology, Environmental	208
Business Administration	109	Graphic Design (art majors and digital art majors only)	48
Chemistry	205	Greek Studies, Modern and Classical	284
Chinese	310	Health Science	91
Cinema Studies	59	History	269
Communication Studies	71	Human Services	274
Computer Engineering	175	Industrial Engineering	184
Computer Science	139	Information Science	145
Creative Industries	76	International Affairs	284
Criminal Justice	258	Italian	310
Cultural Anthropology	331	Japanese	310
Digital Art (graphic design majors only)	48	Jewish Studies	307
Early Intervention	96	Journalism	79
(speech-language pathology and audiology majors only)		Languages, Arabic	310
East Asian Studies	255	Languages, Chinese	310
Economics	261	Languages, French	310
Education, Elementary	38	Languages, Italian	310
Education, Secondary	38	Languages, Japanese	310
Electrical Engineering	175	Languages, Spanish	310
Elementary Education	38	Latino, Latin American, and Caribbean Studies	245
Engineering, Biochemical	169	Law, Policy, and Society	245
Engineering, Biomechanical	184	Leadership Studies	245
Engineering, Biomedical	175	Linguistics	224
Engineering, Computer	175	Literature, English	266
Engineering, Electrical	175	Marine Biology	197
Engineering, Industrial	184	Marine Studies	208
Engineering, Materials Science and	168	Materials Science and Engineering	168
		Mathematics	228
		Mechanical Engineering	184
		Media Production	71
		Middle East Studies	284
		Modern and Classical Greek Studies	284
		Music Industry	80
		Music Performance (music majors only)	80
		Music, Ethnomusicology	80
		Music, General	80
		Musical Theatre	85
		Oratory and Public Speaking	71
		Philosophy	317
		Physics	232
		Physiology, Exercise	91

Political Communication	71
Political Science	321
Psychology	238
Religious Studies	317
Rhetoric	71
Secondary Education	38
Sign Language, American	251
Social Activism	71
Sociology	331
Spanish	310
Technological Entrepreneurship	137
Theatre	85
Theatre, Musical	85
Toxicology	107
Urban Studies	245
Women's, Gender, and Sexuality Studies	245
Writing, English	266

The University

Admission

Note: The N.U.*in* program replaces the Jan-Start program for students who enter in academic year 2011–2012 or beyond.

ADMISSION POLICY AND ENTRANCE REQUIREMENTS

Admission to Northeastern is selective, and the complexity of the admission process is not one that can be defined through a formula. At Northeastern, we are shaping a community of students who bring a diversity of experiences and interests. Each year, about 2,800 new freshmen and 550 new transfer students enroll in September and an additional 500 new students enroll each January through the Jan-Start program. In building a diverse and talented incoming class, the Admission Committee seeks to enroll students who have been successful academically and who have been actively involved in school activities and in their communities.

The typical student admitted to Northeastern has been extremely successful in a challenging course load. When considering applicants for freshman admission, the committee considers whether the applicant's high school transcript reflects the various academic opportunities offered such as honors, advanced placement, international baccalaureate, or college-level courses. Northeastern also seeks to enroll students who have positively contributed to their school and larger community.

When reviewing transfer students, the committee takes into consideration such factors as the candidate's academic transcript; letters of recommendation; résumé; essay; academic preparation for major of choice; and, in certain cases, high school GPA and standardized test scores. Transfer applicants are encouraged to submit a completed application and all supporting materials well before the deadline, as the number of students admitted to each program is limited.

Northeastern accepts the Common Application and a required Northeastern Supplement. Students may apply online at www.commonapp.org. The application and the supplement must be submitted simultaneously.

Deadlines and Decisions

Interested freshman and transfer applicants may apply for entrance into either the fall or spring semester.* For application deadlines, please visit www.northeastern.edu/admissions.

- Northeastern has an Early Action Program for freshman applicants who consider Northeastern among their top choices. Early action decisions are released by December 31.
- Northeastern also offers a regular decision program for freshman applicants, and decisions are released by April 1.

* Throughout this catalog, the word semester refers both to full semesters and to half semesters, except in cases where there is a cost or timeline difference. In such cases, the terms "full semester" and "half semester" are used.

- Decisions for all transfer applicants and for spring freshman applicants are released on a rolling basis, depending on space availability.

Required Materials

The committee will begin to evaluate an applicant's candidacy for admission only when all application credentials have been received. We strongly encourage students to submit their credentials in a single complete package. Please ensure that all appropriate identification information is on every piece of your application package (name, date of birth, and NU ID).

FRESHMAN APPLICANTS

Each year, close to 38,000 students apply for a space in the freshman class. As the vast majority of applicants are academically eligible for admission, the committee has the responsibility of selecting applicants for admission that it believes will contribute to Northeastern's diverse and vibrant community. The committee is particularly interested in applicants who have challenged themselves academically, are highly motivated, have a strong work ethic, or who have demonstrated excellence in leadership, creativity, diversity, engagement, global perspective, and resiliency. Our students exhibit strong character, high ethical standards, and a commitment to involvement and to being a positive influence in their community and in the world. We encourage applicants to spend time to thoughtfully prepare their application in order to make sure their strengths and qualities resonate with the Admission Committee. **In addition to the Common Application and required Northeastern Supplement, prospective freshmen must submit the following:**

- Official secondary school transcripts. Midyear senior grades should be sent when available. Admitted students planning to enroll are required to send final transcripts prior to matriculation. General Equivalency Diploma (GED) recipients should provide their official score reports as well as any official secondary school transcripts.
- Students who received schooling at home should submit an academic portfolio consistent with their state guidelines and provide a list of all textbooks used. Home-schooled applicants must also provide proof they will have met, by the end of May of their year of graduation, all requirements for an official high school diploma and submit an official final transcript, a General Equivalency Diploma (GED), or a certificate of completion from their local school district or state board of education by the end of July of the year of matriculation. Home-schooled students must submit either the American College Testing Program (ACT) with Writing exam or the College Board's SAT (with Writing) **and** two SAT subject tests, including mathematics and an additional subject test of their choice.

Students who are applying for science-based majors should take a science subject test. Applicants to the College of Engineering must take the physics subject test.

- List of all current or in-progress high school classes or college courses (if applicable).
- Official transcripts for any college-level course work taken while a secondary school student.
- Portfolio. The portfolio is required for music technology and the School of the Museum of Fine Arts joint program (SMFA) applicants and recommended for other BFA-in-studio-art applicants. Please see “Admission Requirements for Art + Design” and “Admission Requirements for Music” on page 5 for more information.)
- Written recommendations from their secondary school guidance counselor and a teacher.
- Results of the American College Testing Program (ACT) with Writing exam or the College Board’s SAT (with Writing). Northeastern’s CEEB College Code is 3667 and 1880 for ACT.
- Personal essay.
- Résumés/activities list. Activities should be listed in order of importance to the applicant. Please provide a brief description of each, and highlight any leadership positions held.
- Application fee.

TRANSFER APPLICANTS

Our most successful candidates for transfer admission typically have a minimum grade-point average of 3.000. Students may transfer up to 60 semester hours of credit from a two-year college, or up to 80 semester hours from a four-year college, or a combination of the two types of colleges. If you have been admitted to the College of Business Administration and your college or university is not AACSB accredited, the maximum number of credits that you can transfer to NU is 60.

In addition to the application for admission, prospective transfer students must submit the following:

- Official transcripts for all college courses at all colleges and universities attended. There is no exception to this requirement. All academic credit with a C average or better will be considered for transfer credit. Course work taken more than ten years ago will not be granted transfer credit.
- All final transcripts.
- A copy of an official course registration form for any in-progress course work.
- The College Official’s Report, found on the Common Application Web site, www.commonapp.org.
- Two recommendations from academic advisors, professors, or employers, on official letterhead and submitted in sealed envelopes.
- Official high school transcripts or an official GED score report and SAT/ACT scores (only if the transfer applicant has completed fewer than 24 semester hours of college-level academic work). If a GED score report is submitted, the incomplete high school transcript must also be submitted.
- Portfolio. The portfolio is required for music technology and SMFA applicants and recommended for other BFA-in-studio-

art applicants. Please see “Admission Requirements for Art + Design” and “Admission Requirements for Music” on page 5 for more information.)

- Midterm grades for the current term can be substituted for the high school transcript and SAT/ACT requirement if the applicant has completed at least one full semester of academic work.

All transfer-credit documents should be received prior to matriculation and *must* be received within one semester of matriculation. These documents include, but are not limited to, Advanced Placement, International Baccalaureate, and National Education exam scores and official transcripts from colleges and universities. These documents should be submitted whether or not you wish to receive transfer credit from this work. Transfer credit *will not* be granted for work prior to matriculation if the official credential is received after the completion of the first semester. Transfer credit will not be granted if the equivalent course is completed with a grade at Northeastern. Transfer applicants who have earned credits at an international university must have a recognized agency evaluate their transcripts and translate them into English.

INTERNATIONAL APPLICANTS

Northeastern accepts the Common Application and a required Northeastern Supplement. Students may apply online at www.commonapp.org.

International student applications are reviewed considering their performance in their particular academic environments. As a result, SAT or ACT scores are not required for international applicants. However, applicants who attend a high school in the United States, who will graduate from an international school that follows a U.S. high school curriculum (i.e., offers Advanced Placement courses and exams), or who are student-athletes who must meet NCAA eligibility requirements are required to submit test scores.

In order to maintain lawful student status in the United States, international students must be very mindful of the rules and regulations that govern their nonimmigrant visa classification. Numerous U.S. federal mandates and regulations, including the Student and Exchange Visitor Information System (SEVIS), 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 affect their immigration status and educational endeavors in the United States.

International students must register as full-time students, on time (within the appropriate registration period) during the regular academic year. In addition, international students must not begin or resume any type of employment without first obtaining proper employment authorization or verification from the ISSI. Any exceptions from full-time registration requirements must be preapproved by the ISSI in accordance with specified federal regulations.

Requirements for Applicants Whose Primary Language Is Not English

Students whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL) or the English test of the International English Language Testing System (IELTS). We also accept a number of other English proficiency examinations. Applicants must present the required minimum passing scores for admission. A list of accepted English proficiency examinations and minimum passing scores can be seen at www.northeastern.edu/admissions. The requirement to pass an English proficiency examination is waived if your SAT critical reading and writing scores/ACT equivalent are at least 500. It is your responsibility to ensure that your test scores are either submitted directly to Northeastern by the testing service or are included on your official high school transcript.

College, Major, and Length of Program Selection

Applicants to Northeastern University apply to one of our seven undergraduate colleges.

Although an “undeclared” or “open option” category has been made available in most colleges, we encourage you to select a major that reflects your current academic interests and aspirations. Northeastern offers advisory programs for students interested in preprofessional programs, including medical, dental, law, and veterinary. Transfer students may not apply with “undeclared/open option” as their academic interest.

Northeastern University’s academic calendar allows students to maximize experiential learning opportunities, including research, study abroad, and our signature program, co-op. The five-year model allows students to do as many as three co-ops (typically, six months each), while students who choose the four-year model can complete two co-ops; in both models students also have the opportunity to participate in on-campus research and international study programs. Students are generally not required to make a decision about the four- or five-year option until the end of the freshman year. Some curricular options require more than five years to complete. In general, these have been structured so that students are considered to be undergraduates for their first five years and then transition to graduate status within the program. See the detailed curricula in this catalog for more information.

Students who begin in the January term may not follow the same curricula sequence as those who start in the fall. Your schedule of courses may be affected based upon your semester of matriculation. Summer courses may be required to help students complete their degree requirements in a reasonable amount of time.

Early Admission

Early admission provides an opportunity for students to enroll at Northeastern before the expected year of their high school graduation. Before enrolling at the University, all applicants for early admission must have completed all units required for high school graduation (including senior English) or must have earned the General Equivalency Diploma (GED). In addition to the

required materials for freshman applicants, early admission applicants must provide written endorsement from the school principal, guidance counselor, and parents; exceptional records and standardized test scores; and a 200-word personal statement outlining his or her educational and/or career aspirations. The endorsements should speak directly to the applicants’ academic readiness and emotional maturity for college. An interview may also be required.

Advanced Credit

You may enter the University with advanced credit on the basis of your test scores on certain specific examinations (listed below) or on successful completion of accredited college-level courses that you took before you enrolled at Northeastern. For consideration, students should submit transcripts or test results before matriculation and must submit official score reports for credit evaluation within one semester of matriculation.

Northeastern currently awards advanced credit for the following examinations:

- Advanced Placement
- British System GCE A-Level Examination
- German Abitur
- French Baccalaureate
- International Baccalaureate
- Swiss Federal Maturita Diploma

ADVANCED PLACEMENT EVALUATIONS

The University awards credit for test scores of 4 and 5. Please visit www.northeastern.edu/admissions for an up-to-date AP listing.

Credit awarded: 4–10 semester hours or up to two courses per exam (refer to AP listing). AP scores must be received by Northeastern prior to matriculating in order to receive credit.

BRITISH SYSTEM GCE A-LEVEL EXAMINATION

The University awards credit for A-level courses with final exam grades of C or better. Students who have completed only O levels are not eligible for advanced credit.

GERMAN ABITUR

The University awards credit for intensive subjects with scores of 7 or higher on a 15-point scale and 4 or higher on a 6-point scale only for subjects that required a written exam.

FRENCH BACCALAUREATE

The University awards credit for any series A–E on the Baccalaureate de l’Enseignement du Second Degré with a coefficient of 4 or above (4, 5, 6) and a score of 10 or better on a 20-point scale.

INTERNATIONAL BACCALAUREATE

The University generally awards credit for exam scores of 5, 6, or 7 on higher-level exams only. Please visit the Admissions Web site at www.northeastern.edu/admissions for an up-to-date IB grid.

SWISS FEDERAL MATURITA DIPLOMA

The University awards credit for a final score of 4 or higher on a 6-point scale or 6 or higher on a 10-point scale.

Admission Requirements for Art + Design

ADMISSION WITH A PORTFOLIO

Applicants interested in being admitted directly into the Department of Art + Design programs are strongly encouraged to submit a portfolio for review. For updated guidelines for admission and for creating a portfolio, go to the Department of Art + Design Web site, www.art.neu.edu.

Applicants for the studio art major, a joint program of Northeastern University and the School of the Museum of Fine Arts, Boston, are required to submit a portfolio and should also go to www.art.neu.edu for admissions and portfolio guidelines.

PORTFOLIO GUIDELINES

Send fifteen images of original artwork. The portfolio may include work in a variety of media; no particular subject matter or style is required. Rather, students should select work that best shows their personal style, creativity, and commitment to innovation. Check the Department of Art + Design Web site, www.art.neu.edu, for more information.

ADMISSION WITHOUT A PORTFOLIO

Applicants who fulfill the requirements for admission, but do not have a portfolio of work, may be accepted into the department as undeclared majors. At the end of the freshman year, any student who wants to advance further in the department must submit a portfolio of work that is completed primarily at Northeastern in the foundation studio courses.

The portfolio review committee is made up of three or more faculty members. Students present between ten and fifteen pieces of work. Students who do not pass will be given clear directives to assist them in reapplying. Students cannot take upper-level courses until they pass their portfolio review. Upon successful completion, students will gain full status and access to courses within their major.

Admission Requirements for Music

MUSIC TECHNOLOGY

For candidates applying for admission into the music technology concentration, a portfolio is required and will be reviewed by a committee of faculty. The portfolio must include:

- Three representative examples of your creative work in a form that best represents the project, including lead sheets of original songs or printed scores of original compositions or arrangements; digital format, which might include MIDI or digital audio files on floppy disk, data CD, or Zip disks (PC and Mac formats are acceptable); or URLs for Web sites that include original music or sounds. Audio recordings of compositions are highly recommended (audio CD or cassette preferred). Videotape recordings of live performances of your music are also acceptable. (Supply a self-addressed, stamped envelope if you wish to have your materials returned.)

- A short statement explaining your involvement in the creation of the work. The statement should note whether you are the sole creator or a collaborator; the composer, arranger, or remixer; and whether you are performing the work on the recording(s).
- A separate, typed one-page statement of your musical background, influences, and goals.

Should music technology faculty determine that they would like additional information, they may arrange an interview with the applicant. Visit www.musictech.neu.edu for more information.

MUSIC PERFORMANCE

Once enrolled, students in any music concentration may also audition to pursue a minor in musical performance. This program is highly competitive and therefore requires evaluation by the Department of Music. To schedule an audition contact Arthur Rishi, events coordinator, at 617.373.2671 or via e-mail at a.rishi@neu.edu. Auditions are typically scheduled during a student's first semester at Northeastern. For specific questions regarding the program or audition requirements, contact Professor Joshua Jacobson at j.jacobson@neu.edu or 617.373.3635.

MERIT SCHOLARSHIPS

Scholarships reward academic excellence. Northeastern has established several highly selective scholarship programs to reward and recognize outstanding academic achievement. You must apply by the regular deadline to be considered for these scholarships. No additional applications are necessary, as consideration for merit scholarships is automatic when the application is completed by the deadline, except for Phi Theta Kappa Scholarships (see below).

Trustee Scholarships

Award: Our most prestigious award includes full tuition, campus room and board (for academic semesters, based on double occupancy). Recipients who maintain normal progress toward a degree, with the minimum grade-point average, may renew the award for the full four- or five-year program.

Eligibility: The top 1 percent of freshman applicants may be considered for this award.

National Merit and National Achievement Finalist Scholarships

Award: Up to a full-tuition scholarship for admitted freshman applicants who are designated National Merit/National Achievement Finalists and who submit required documents. Recipients who maintain normal progress toward a degree, with the minimum grade-point average, may renew the award for the full four- or five-year program.

Eligibility: Admitted freshman applicants who are designated National Merit/National Achievement Finalists by the National Merit Scholarship Corporation (NMSC).

Dean's, Excellence, and Achievement Awards

Awards: Partial tuition scholarships ranging from \$5,000 to \$16,000. Recipients who maintain normal progress toward a degree, with a minimum grade-point average of 3.000, may renew these awards.

Eligibility: The top 25 percent of freshman applicants may be considered for these highly selective awards.

Phi Theta Kappa Scholarships (Transfer Students Only)

Award: \$5,000 grant. Recipients who maintain normal progress toward a degree, with a minimum grade-point average of 3.000, may renew the award.

Eligibility: Applicants for fall transfer admission who have earned a 3.500 grade-point average in 32 semester hours or equivalent quarter hours or units of college-level course work. For eligibility, you must be a U.S. citizen or a permanent resident enrolling directly from a two-year institution. A letter of recommendation from a Phi Theta Kappa advisor is required. The deadline to apply for this award is April 1.

Please contact the Office of Undergraduate Admissions if you have any questions about the application process.

Office of Undergraduate Admissions
150 Richards Hall
Northeastern University
360 Huntington Avenue
Boston, MA 02115-5000 USA
admissions@neu.edu (e-mail)
www.northeastern.edu/admissions (Web site)
617.373.2200 (voice)
617.373.8780 (fax)

Credentials not being submitted online (transcripts, recommendations, and test scores) should be mailed to the following address:

Northeastern University
Application Processing Center
P.O. Box 120
Randolph, MA 02368-9998 USA

Portfolios; application fees; application fee waiver requests (being sent separate from the application); a Declaration and Certification of Finances form (DCF); and FedEx, UPS, or Priority Mail packages must be mailed to the following address:

Office of Undergraduate Admissions
150 Richards Hall
Northeastern University
360 Huntington Avenue
Boston, MA 02115-5000 USA

For more information, please consult the Admissions Web site, www.northeastern.edu/admissions.

Information for Entering Students

NEW STUDENT ORIENTATION

It is mandatory for all undergraduate students entering the University to participate in an orientation program. Students beginning in September will participate in the summer. Those starting in January will participate in the winter. Students will meet their classmates and learn their way around campus and Boston. They'll also prepare for the start of the academic year by exploring their college and major, meeting with an academic advisor, learning more about co-op, and experiencing what makes Northeastern unique. Students will also register for classes and get their Husky ID. Orientation registration information will be posted on the Admitted Student Portal for those who have enrolled by paying their tuition deposit. Contact the Office of New Student Orientation toll-free at 800.696.6516 or visit www.northeastern.edu/orientation for more information.

International students will participate in ISSI Orientation as indicated below as part of the University's New Student Orientation.

PARENT PROGRAMS AND SERVICES

The Office of Parent Programs and Services serves as a resource to parents and families of Northeastern University students. Through on-campus and off-campus events and programs, this office outlines its services and programs and begins to develop a relationship with the NU parent and family population. Ongoing newsletters, online chats, parent message board, and programs keep parents and family members connected to the University and informed of deadlines, events, and services. The office also maintains the Parent Portal, which is a resource for news, dates, and important information related to the student's experience. With permission of the student, parents may create an account by visiting the myNEU Web Portal (www.myneu.neu.edu). During the academic year, parents and family members are invited to contact the office as they seek information or assistance in addressing concerns related to their student's enrollment.

Contact the Office of Parent Programs and Services toll-free at 800.696.6516, or visit www.northeastern.edu/parents for more information.

ORIENTATION FOR INTERNATIONAL STUDENTS

The International Student & Scholar Institute (ISSI) organizes more than three months of orientation and acculturation programming throughout the year for newly arrived international

students and U.S. citizens from abroad. ISSI Orientation provides a unique forum for intercultural interaction and learning, with activities that include an "airport welcome," cultural enrichment programming, information sessions, immigration advising, regional excursions, and educational seminars that bring a cross-cultural focus to topics such as academic success, student life, and the dynamic of diversity. ISSI Orientation begins prior to the start of the fall and spring semesters, comprising several weeks of activities that provide international students (and others who have lived abroad) an opportunity to gain familiarity with Northeastern in a cross-cultural context while also serving to facilitate the formation of friendships across cultures.

International students should plan to arrive several days before the start of the semester as outlined in their ISSI Orientation schedule. All matriculating international students will have access to a preliminary schedule from the ISSI prior to their arrival in the United States. Immediately prior to the start of the semester, the Office of New Student Orientation organizes orientation and academic advising, which parallel—and substitute for—the mandatory orientation program held earlier in the summer for domestic (U.S.) students.

For further details on the ISSI Orientation program, and for other information pertinent to international students, please contact:

The International Student & Scholar Institute (ISSI)
405 Ell Hall
Northeastern University
360 Huntington Avenue
Boston, MA 02115
www.northeastern.edu/issi (Web site)
617.373.2310 (voice)

RESIDENCE LIFE

The Department of Residence Life strives to create a community for our residents by planning programs and activities that help students get to know others on their floor and in their residence hall. We also provide services that support our residents in accomplishing their academic and personal goals. Residence Life staff are trained in counseling, crisis intervention, and conflict resolution, as well as interpersonal communications in order to assist our students to achieve their aspirations.

Each hall is supervised by a residence director and resident assistants, individuals who maintain close contact with students and who serve as administrators for the buildings.

The University offers a variety of housing options tied to specific programs of study. These Living Learning Communities

offer students a supportive, achievement-oriented environment with opportunities for friendship around common interests as well as continued learning and sharing outside the classroom. Living Learning Communities commonly feature tutoring, advising, and study groups as well as unique programs designed to promote student growth and advancement. The University also recognizes that some students prefer to live in an environment of shared values and choices, which our lifestyle and cultural options housing also provides.

HEALTH REQUIREMENTS—UNIVERSITY HEALTH AND COUNSELING SERVICES (UHCS)

A Health Report from University Health and Counseling Services (UHCS) is included with confirmation of the new student orientation session date. It must be completed and returned by the stated deadline. The required record of immunity section is necessary for compliance with the Massachusetts College Immunization Law. Failure to meet the requirement will prevent future course registration. Additionally, further documentation of immunity is mandatory for students in Bouvé College of Health Sciences.

Visit www.northeastern.edu/uahcs to access the Health Report online.

ENGLISH LANGUAGE CENTER

The English Language Center (ELC) conducts English language testing for incoming international students. This testing is mandatory for undergraduate conditionally admitted students. The testing takes about three hours.

From the testing, four scores are derived: global, reading/grammar, listening, and writing. Based on these scores, conditionally admitted students may be (1) cleared for full-time academic studies, (2) required to take English as a second language classes only, or (3) assigned a hybrid schedule of both academic and ESL classes. At the end of each academic session, all students are retested, and conditionally admitted students' schedules are adjusted according to their improvement.

The Office of New Student Orientation automatically assigns conditionally admitted students a test day and time. However, any department may refer students for testing. Students must come on time on designated test days with a completed referral form in hand. Students without referral forms will not be tested. Referral forms and a schedule of test dates are available to departments by request through the ELC.

The ELC also offers a variety of language support courses for students who need assistance. Advisors and departments are encouraged to contact the ELC with any questions regarding testing or language support for international students.

For further information about the English Language Center, visit the ELC Web site at www.northeastern.edu/cps/elc or contact the ELC office at 10 Belvidere.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

The University encourages students who seek an accommodation for a documented disability or disabilities that are substantially limiting, including “invisible” disabilities such as chronic diseases or learning disabilities, to register with the Disability Resource Center (DRC, 20 Dodge Hall, 617.373.2675, www.drc.neu.edu). Students should register as soon as possible upon arriving on campus. The information provided will be kept confidential except that relevant faculty and staff will be informed if they are expected to provide accommodations. The University is committed to providing reasonable accommodations for students with documented disabilities that are substantially limiting. When services are approved, the DRC will provide the student with a letter of introduction to faculty, which indicates the service(s)/accommodation(s) for which the student has been approved. To initiate the recognition that service(s)/accommodation(s) have been approved and are being provided, students are encouraged to furnish a copy of the letter of introduction to their instructor(s) before the start of classes and no later than the second week of the term.

College Expenses

Northeastern University is eager to assist you in developing a plan for financing a Northeastern education. Through a variety of options—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 617.373.3190.

FINANCIAL AID

For many families, financial aid is a major element in making Northeastern University affordable. The Office of Student Financial Services provides a full range of options that help students establish a comprehensive plan to finance their educations. To take advantage of Northeastern’s financial aid programs, freshmen and transfer students must submit the FAFSA and CSS PROFILE forms. Returning students must submit the FAFSA every year. Meeting priority filing dates will allow the review of your eligibility for all available financial aid programs. For information regarding your financial aid application, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, and select “My Financial Aid Status.”

Satisfactory Academic Progress

Starting at the end of a student’s second academic year, GPAs are reviewed annually to evaluate eligibility for aid. A 2.000 GPA is required to retain eligibility. Students must also meet certain quantitative requirements. Completed credits are reviewed as a percentage of attempted credits after each academic year.

Return of Title IV Aid

Northeastern is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing 60 percent of a term. Recalculation is based on the percentage of earned aid using the Federal Return of Title IV funds formula. Federal regulations require students to obtain at least an A, B, C, D, S, or F in at least one course for the term; students who receive all unsuccessful grades for a term (NE, W, I, *, U) will be considered unofficially withdrawn from the term. For unofficial withdrawals, the withdrawal date used for aid recalculation is the midpoint of the term.

Northeastern’s Monthly Payment Plan

All full-time students have the option to enroll in Northeastern’s Monthly Payment Plan. This plan allows students and families to spread their annual tuition costs over nine, ten, or eleven months. Short-term plans are also available. For additional information, please visit www.northeastern.edu/registrar/billing.html.

STUDENT/PARENT LOANS

There are a number of attractive educational loan programs available to assist you in covering your expenses over and above any financial aid that may be awarded to you 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 on our Web site at www.northeastern.edu/financialaid. When researching the loan and lender that best meet your needs, make sure you take into consideration the interest rate, origination, disbursement, or repayment fees and the quality of customer service.

BILL PAYMENT

Full payment of tuition, residence hall fees, and other related charges are due prior to the start of the term as specified on the original bill. A past-due balance may result in late fees, prevention of registration, prevention of grade release, or withdrawal from the University. For details on payment methods and E-bill, visit www.northeastern.edu/registrar/billing.html.

Discrepancies in your bill should be addressed in writing to the Office of Student Accounts. Include your name, NU ID, dollar amount in question, date of invoice, and any other information you believe is relevant. Address the correspondence to: Office of Student Accounts, 120 Hayden Hall, Northeastern University, 360 Huntington Ave., Boston, MA 02115 or e-mail studentaccounts@neu.edu. If there is a billing problem, pay the undisputed portion of the bill to avoid responsibility for any late fees.

Tuition bills are generated electronically and are available via the myNEU Web Portal (www.myneu.neu.edu). Paper bills are not generated. Visit www.northeastern.edu/registrar/billing-ebill.html for additional information.

Overloads/Reduced Loads

Undergraduate day tuition is charged on a flat per-term basis that includes the cost of each student's normal academic curriculum requirements for that term.

Undergraduate full-time student adjustments for reduced loads are made only when the petition is approved by the academic department and the Office of the Registrar. Adjustments will then be made if the course load falls below 12 credits during full semesters and 6 credits during summer half sessions (calculated at the per-credit-hour rate). To receive an adjustment, the Undergraduate Petition to Reduce Load must be submitted prior to the start of the term. No rebate or credit is granted when a student voluntarily drops a course.

Undergraduate full-time day student adjustments for course work greater than the prescribed curriculum for the term is calculated at the per-credit-hour rate. Students taking more than 8 credits (summer half session) or 16 credits (full semester) will be charged the per-credit-hour rate.

Undergraduate full-time day students registered for co-op and taking a class will be billed at the per-credit-hour rate.

Visit www.northeastern.edu/registrar/billing-tuition.html for a full listing of tuition rates. Also see "Overload Policy" and "Reduced Load Policies" on page 17.

Undergraduate full-time day students may register for one additional music ensemble course from the following list without added charge:

MUSC 1904	Chorus
MUSC 1905	Band
MUSC 1906	Orchestra
MUSC 1907	Wind Ensemble
MUSC 1911	Jazz Ensemble
MUSC 1912	Rock Ensemble
MUSC 1913	Blues/Rock Ensemble
MUSC 1914	Create Your Own Music
MUSC 1915	Chamber Ensembles
MUSC 1916	Electronic Music Ensemble
MUSC 1917	Jazz/Blues Choir
MUSC 1918	World Music Ensemble
MUSC 1919	Fusion Ensemble

Delinquent Balances

In cases of student default on tuition payments, the student may be withdrawn from the University and is liable for the outstanding tuition as well as for all reasonable collection costs and any legal fees incurred by the University during the collection process. Accounts may be subject to monthly interest charges. *Transcripts and other academic records will not be released until all financial obligations to the University have been met.*

Refunds on Credit Balances

To submit a request for a refund on a credit balance because of overpayment, the Student Refund Request must be submitted

through the student's myNEU Web Portal (www.myneu.neu.edu) located under the "Self-Service" tab.

Visit www.northeastern.edu/registrar/billing.html for additional tips on expediting the processing of your request.

Note: In the event a credit card was used to pay any student charges, credit balances in the student's account will first be applied to the credit card used, with any remaining balance paid to the student, unless otherwise indicated.

Refund for Withdrawal—General Information

Tuition credits are granted based on the date of the official withdrawal processed by the Office of the Registrar. Nonattendance does not constitute official withdrawal. Credit policies vary according to the duration of the course. Typical tuition adjustments are made according to the schedules shown below.

The first week of class is the week containing the "classes begin" date listed in the online academic calendar at www.northeastern.edu/registrar/calendars.html.

Payment options and credit policies may vary for courses that follow a schedule different from the regular full or half-semester courses. If you are unsure about a course you are taking, contact the Office of Student Accounts.

Transcripts and other academic records will not be released until all financial obligations to the University have been met. All rates are subject to revision at the discretion of Northeastern University's Board of Trustees.

For information regarding policies that affect eligibility for federal grants and loans upon your withdrawal or adjustment to course enrollment, please visit www.northeastern.edu/financialaid.

Refunds for Course Withdrawals

Undergraduate day students should refer to "Overload Policy" and "Reduced Load Policies" on page 17 for information on adjustments for withdrawing from individual course(s). For withdrawals from a course after the third week of the term, please contact studentaccounts@neu.edu.

Refunds for Complete Withdrawal from the University

Full semesters

Official withdrawal during the first week	100% refund
Official withdrawal during the second week	100% refund
Official withdrawal during the third week	100% refund
Official withdrawal during the fourth week	60% refund
Official withdrawal during the fifth week	40% refund
Official withdrawal after the fifth week	no refund

Summer half semesters

Official withdrawal during the first week	100% refund
Official withdrawal during the second week	100% refund
Official withdrawal during the third week	50% refund
Official withdrawal during the fourth week	25% refund
Official withdrawal after the fourth week	no refund

Emergency Leaves

When a student is diagnosed with a major medical illness or injury, psychiatric illness, or has a family emergency after the start of the term that significantly interferes with his or her ability to attend classes and complete requirements, the student may consider an emergency leave of absence. For possible financial implications of *any* emergency leave, please see “Emergency Leave of Absence” on page 26.

Disability Resource Center Adjustments

Students who are registered with Northeastern’s Disability Resource Center are eligible to petition the center for tuition adjustments directly related to their documented disability. Students who drop below 12 credit hours may be affected by the loss of full-time-student status. Further information is available from the Disability Resource Center.

TUITION, ROOM, BOARD, AND FEES PER SEMESTER 2010–2011 ACADEMIC YEAR

Full-time freshmen spend two semesters in classes and summer on vacation. Annual costs for upperclass students participating in co-op vary depending on their pattern of attendance. See “Pattern of Attendance.” The number of semesters a transfer student spends in school depends on the curriculum of the student’s college. You are advised to verify your curriculum with your student services office so that you may plan accordingly.

Total Costs

The total costs for students living in our residence halls and enrolled in the fifteen-meal plan are as follows:

	Per full semester	Per summer half semester
Tuition and fees		
Tuition	\$18,190	\$9,095
Student center fee	70	35
Student activities fee	116*	
Campus recreation fee	46	23
<i>Room, board, and fees per semester</i>		
Residence activity fee	32	16
Housing	range from 2,475–6,090**	approximately 1/2 of semester rate**
Fifteen-meal plan***	2,775	1,388

* Annual fee

** Rates vary depending on occupancy and assignment. Visit www.housing.neu.edu for a detailed list of housing rates.

*** See Meal Plan section for additional meal plan options.

Undergraduate day students who take a graduate course as part of their undergraduate program will be charged the same rates that apply to undergraduate credits. (See “Overload Policy” and “Reduced Load Policies” on page 17.)

In addition to the expenses itemized above, families should plan on the normal costs of living that students incur for transportation, books, and personal expenses. These vary depending upon such things as lifestyle and distance from home, but for the purpose of approximating a student budget, the University estimates these items at \$4,050 per year.

Tuition rates, room and board charges, and fees are subject to revision by the board of trustees at any time.

Patterns of Attendance

To plan for tuition and fees better, students and parents should be aware that:

- Tuition is charged when a student is taking classes/earning academic credit. No tuition is charged while a student is on co-op (although the student will pay room and board if he or she stays in the dorm while on co-op and will be assessed tuition if enrolled in a class); and
- Financial aid will be distributed to match the student’s academic program and tuition bills.

Northeastern University’s calendar enables students to participate in six-month co-op assignments. Each academic year has two full semesters (fall semester, September–December, and spring semester, January–May) and two “minisemesters” of about 7 weeks each (summer 1, May–June, and summer 2, July–August). The six-month co-op assignments generally span either the spring/summer 1 terms or the summer 2 plus fall terms.

The co-op schedule is flexible, but, generally, students alternate periods in class with periods on co-op. All students are required to complete their program in the classroom, rather than on a co-op assignment, so their last semester will be in the classroom. For specific patterns of attendance for particular majors, please consult the program plan for that major.

For students entering in September of 2010:

- All patterns of attendance require that the student attend the first three full semesters (fall 2010, spring 2011, and fall 2011) before going on co-op.
- Students may choose to take classes during the summer half semesters between spring 2011 and fall 2011 but are not required to do so.
- Approximately half of the class entering in fall 2010 will go on co-op during the spring/summer 1 semesters of 2012 (January–June).
- The other half of that class will go on co-op during the summer 2/fall period (July–December).
- Most students will take classes during either summer 1 or summer 2 of 2012, during the time when they are not on co-op.

Fees Required of All Students

The following fees are required of all students:

APPLICATION FEE

This nonrefundable fee of \$75 must accompany an application for admission.

TUITION DEPOSIT

A nonrefundable tuition deposit of \$200, which is applicable toward the first semester's tuition, is due by May 1 from all freshman students entering in September. Students entering at other times of the year and transfer students entering in September should note the required deposit due date on their letter of admission.

NEW STUDENT FEE

A nonrefundable \$350 new student fee will be posted to new freshmen and transfer students' first semester bill. This fee includes the mandatory student orientation costs (including the opportunity to have two *complimentary* guests participate in the Parent Program that runs simultaneously to the Student Program), the automatic membership of the student's parents into the Parents Association; receiving regular communication on the University throughout the year, and Welcome Week activities. Students who enroll at Northeastern without attending their mandatory orientation session will be billed \$50 in addition to the above program costs.

STUDENT FEES

Students pay a student center fee of \$70 per in-school full semester or \$35 per in-school summer half semester to support the Curry Student Center and an annual student activities fee of \$116 to support student clubs.

CAMPUS RECREATION FEE

All undergraduate students at Northeastern University will be assessed a campus recreation fee of \$46 per in-school full semester or \$23 per in-school summer half semester. This fee covers admission to home athletic events, use of the Marino Fitness Center, the SquashBusters athletic facility, and the Cabot Gym (fitness and pool). This fee will also support the future construction of athletic fields and facilities.

HUSKY CARD (PHOTO-IDENTIFICATION CARD)

This card is issued to new full-time students at orientation and registration. Students must have a properly validated card to use most University facilities. A replacement card costs \$15.

NORTHEASTERN UNIVERSITY STUDENT HEALTH PLAN (NUSHP)

Since September 1989, Massachusetts law (Massachusetts General Laws, Chapter 15A, Section 18) has required every full-time and part-time student enrolled in a Massachusetts institution of higher learning to participate in a qualifying student health insurance program (QSHIP) or in a health benefit plan with comparable coverage. Students who have comparable health plan coverage

may waive NUSHP by completing a waiver on the myNEU Web Portal (www.myneu.neu.edu) by the designated deadline date each academic year. For deadlines and additional information, please visit www.northeastern.edu/registrar/billing-nushp.html.

Additional Fees

Other fees may include the following:

HOUSING APPLICATION/DEPOSIT

New students seeking on-campus housing must submit a nonrefundable \$400 deposit along with a completed housing application form to complete the housing application process. The upperclass housing deposit is \$200 for each semester or \$100 for each summer session.

RESIDENCE HALL ACTIVITIES FEE

All students living in the residence hall system pay a full-semester \$32 fee or half-semester \$16 fee for activities sponsored by the Residence Student Association.

LATE FEES

All accounts not paid in full by the indicated due dates will be subject to a monthly late fee.

INTERNATIONAL STUDENT FEE

A one-time fee of \$250 is charged to new undergraduate international students, payable after their admission to Northeastern University. The fee supports programs and services available at the International Student & Scholar Institute. This charge will appear on the billing statement of the student's first term.

Room and Board

ROOM RATES PER SEMESTER, 2010–2011

Please visit the Residential Life Web site, www.housing.neu.edu, for a complete display of room rates and residence halls.

TERMINATION FEE

AND ROOM RATE ADJUSTMENT POLICY

The University provides on-campus and leased accommodations that are assigned each semester. Students are billed at the beginning of each semester and are obligated to pay the full charge for the semester. The high demand for on-campus housing makes it necessary for Residential Life to strictly enforce its cancellation policy.

Students who withdraw from the University will have their meal plan charges prorated to the end of the week they complete the University Withdrawal Form in the Office of the Registrar. Students must also complete the official housing withdrawal form and return their keys to their resident director's office. Housing charges for students who withdraw from the University will be prorated only through the end of the fifth week of the semester.

TERMINATION FEE POLICY FOR WITHDRAWAL FROM THE RESIDENCE HALLS

Failure to provide timely written notification of cancellation of housing will result in a charge to students for their assigned space. If the cancellation deadline has passed, students who can demonstrate a significant change in academic or co-op circumstances may petition for a waiver of this fee. See cancellation fee schedule that follows:

Housing termination fees for students who withdraw from housing but *not* from the University:

Amount Charged	Notification Required		Summer
	Fall '10	Spring '11	1 and 2 '11
Deposit refunded; no charge	Before 6/15/10	Before 11/1/10	Before 3/1/11
25% of semester room charge*	After 6/15/10	After 11/1/10	After 3/1/11
50% of semester room charge*	After 7/15/10	After 11/15/10	After 3/15/11
75% of semester room charge*	After 8/5/10	After 12/1/10	After 4/1/11
100% of semester room charge*	After 8/20/10	After 12/15/10	After 4/15/11

*Deposit for the semester is applied to the cancellation charge.

DINING SERVICES

The following students are required to participate in the 19-, 15-, or 10-meal plan operated by University Dining Services:

- All freshmen (during their first two semesters as matriculated college students) living in University housing.
- All upperclass students living in University residence halls that require students to have a meal plan.

Students living in a meal-required residence are automatically billed for the 15-meal plan. All other students may choose to enroll in a meal plan via the Self-Service tab on the myNEU Web Portal (www.myneu.neu.edu).

Changes to the meal plan are made via the Self-Service tab on the myNEU Web Portal (www.myneu.neu.edu). Deadlines apply. Visit www.northeastern.edu/registrar/husky-mealplan.html for details.

Note: All freshmen living on campus in any residence hall are required to be enrolled in a 10-, 15-, or 19-meal plan.

Visit www.dineoncampus.com/northeastern for information about menus and dining locations.

Meals per week	Full semester	Summer half semester
19	\$3,000	\$1,500
15	2,775	1,388
10	2,410	1,205
5 (upperclass only)	1,230	615

Husky Dollars

Students can deposit funds into a Husky Dollar account and access these funds using their Husky Card at over 100 restaurants and retail locations on and off campus, including the University's bookstore. The account accrues no interest. Visit www.northeastern.edu/registrar/husky.html for additional information, including vendor locations and instructions on how to add funds to your account.

Academic Policies and Procedures

This section presents general information about what is expected of students and how progress toward graduation is measured. For specific details on individual degree programs, students should consult their academic advisors. The University assumes no liability for any delay in providing or failing to provide educational or related services or facilities due to causes beyond the reasonable control of the University. Causes include, but are not limited to, power failure, fire, strikes by University employees or others, weather damage, and acts of public authorities. However, when in its judgment it is appropriate to do so, the University will exert reasonable efforts to provide comparable or substantially equivalent services, facilities, or performance; but its inability or failure to do so shall not subject it to liability. No faculty member, administrator, or other representative of the University shall make any representations to, or enter into any agreements with, or act toward any student or other person in any manner that is not in conformity with established University policies, practices, and procedures as expressed in this or any other official University document.

ACADEMIC INTEGRITY POLICY

The following academic integrity policy was designed and approved by the Student Government Association and was also approved by the Faculty Senate.

Essential to the mission of Northeastern University is the commitment to the principles of intellectual integrity.

Academic integrity is important for two reasons. First, independent and original scholarship ensures that students derive the most from the 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.

Accordingly, Northeastern University views academic dishonesty as one of the most serious offenses that a student can commit while in college. Academic dishonesty includes cheating, fabrication, plagiarism, unauthorized collaboration, participation in academically dishonest activities, and facilitating academic dishonesty.

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.

Visit www.northeastern.edu/osccr for a full description of these policies and procedures.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

The University encourages students who seek an accommodation for a documented disability or disabilities that are substantially limiting, including “invisible” disabilities such as chronic diseases or learning disabilities, to register with the Disability Resource Center (DRC, 20 Dodge Hall, 617.373.2675, www.drc.neu.edu). Students should register as soon as possible upon arriving on campus. The information provided will be kept confidential except that relevant faculty and staff will be informed if they are expected to provide accommodations. The University is committed to providing reasonable accommodations for students with documented disabilities that are substantially limiting. When services are approved, the DRC will provide the student with a letter of introduction to faculty members that indicates the service(s)/accommodation(s) for which the student has been approved. To initiate the recognition that service(s)/accommodation(s) have been approved and are being provided, students are encouraged to furnish a copy of the letter of introduction to their instructor(s) before the start of classes and no later than the second week of the term.

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. Classes for day students are normally scheduled from 8:00 AM to 5:40 PM, Monday through Friday. Students should not make conflicting commitments until the class schedules for each semester are final. 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. Laboratory work can be made up only during the hours of regularly scheduled instruction.

Absence Because of University-Sponsored Activities

Participation in University-sponsored activities, where the students are representing their University, college, or department, may cause absences from class that qualify as excused absences. Excused absences, with appropriate prior arrangement, are not subject to penalty, and missed work may be satisfied through agreement between the student and the instructor. University-sponsored activities that may justify excused absences include athletic competition, performing arts events, and research or other presentations.

Students must discuss absence(s) with instructors at least two weeks in advance of the University-sponsored activity, or as soon as possible if the activity is at the beginning of the term or is the result of an unforeseen circumstance. Instructors may require a written statement from the administrator in charge of the activity. Instructors are expected to make reasonable accommodations for these class absences including administration of makeup assignments and exams whenever possible. It is expected that students seeking an excused absence will develop a plan and timetable to make up the missed course work with their instructor(s). Please note, however, that the requirements of some courses or programs may preclude such accommodations.

Absence 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 make-up examination or work shall not create an unreasonable burden upon such school. Students should make appropriate arrangements with the instructor in advance of the absence, preferably at least two weeks before the religious observance.

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. They will provide a reasonable substitute or compensatory opportunities for any required work missed. Such an absence will not be penalized in any way.

Absence Because of Military Deployment

The policy for military leave of absence is set forth on page 27.

Other Absences

Unforeseen events or circumstances, including illness, accident, catastrophic event such as fire, and bereavement, may cause a student to be absent from class. If such events occur, students should notify their academic advisor and instructors as soon as possible in order to apprise them of the circumstances leading to their absence as well as how much time will be missed. Students should work with their instructors to develop a plan, with a timetable, to make up missed course work. Students may be asked to provide documentation that the class absence is warranted. Instructors are expected to make reasonable accommodations for warranted class absences, including administration of makeup assignments and exams, whenever possible.

Extended Absences

A student who is absent from school for an extended period of time must inform his or her academic advisor by letter, e-mail, or telephone. The expected length of the absence may determine whether the student should apply for an "Emergency Leave of Absence" (see page 26). It is strongly recommended that the student contact his or her academic advisor to discuss potential next steps, which could include incomplete grades; withdrawal from classes; or, in the event of an extended absence due to a chronic medical condition or disability, consultation with the Disability Resource Center to explore potential accommodation.

STUDENT EVALUATION OF COURSES (TRACE)

Students play a critical role in the University's commitment to quality teaching and academic excellence when they participate in the evaluation of courses through TRACE (Teacher Rating And Course Evaluation), a survey developed collaboratively by the Student Government Association and the Faculty Senate. TRACE data is important in the process of course design and improvement, as well as in the process of faculty evaluation. Students are expected to participate in TRACE with constructive feedback that is relevant to teaching and course content. TRACE results from previous terms can be found on the myNEU Web Portal (www.myneu.neu.edu).

REGISTRATION AND TAKING COURSES

Students are expected to preregister for classes during the published registration times in the academic calendar. Freshmen may be preregistered for some or all of the courses they need. Most registration after the freshman year is accomplished through the myNEU Web Portal (www.myneu.neu.edu). Students must complete "I Am Here" registration just prior to the start of classes in order to remain enrolled. Class adds must be registered by the end of the fifth class day.

Course Numbering System

Every semester course number at Northeastern University consists of two parts:

- A two- or four-letter subject code
- A four-digit number

For example, in the course number ECON 1115, ECON is the subject code, and 1115 is the four-digit number.

The four-digit number indicates the level of the course as follows:

0001–0999	Orientation and basic
1000–1999	Introductory level
2000–2999	Intermediate level
3000–3999	Upper-intermediate level
4000–4999	Advanced level
5000–5999	First-level graduate
6000–6999	Second-level graduate
7000–7999	Third-level graduate
8000–8999	Graduate clinical/research/readings
9000–9999	Doctoral research and dissertation

Class Schedule

All classes start promptly according to the class schedule shown. Most classes at Northeastern are scheduled in the time periods listed.

Students are expected to be punctual. Students who are late for classes should attend for the balance of the class period. Instructors will not tolerate habitual tardiness.

Students may leave fifteen minutes past the scheduled opening of class if the instructor is not present. In such cases, students should notify the department in which the course is offered that the instructor was not present.

Any change of regularly scheduled classes or examinations must have the unanimous consent of the students involved unless other mutually acceptable arrangements for students to attend the alternative class or examination are worked out between the faculty member and the student(s) involved.

During the terms when they are teaching, faculty members are expected to provide sufficient conference time to meet the instructional and advising needs of their students.

Fall and Spring Schedule

Sequence 1	MWTh	8:00–9:05
Sequence 2	MWTh	9:15–10:20
Sequence 3	MWTh	10:30–11:35
Sequence 4	MWTh	1:35–2:40
Sequence 5	MWTh	4:35–5:40
Sequence 6	TuThF	11:45–12:50
Sequence 7	TuWF	3:25–4:30
Sequence A	MTh	11:45–1:25
Sequence B	MW	2:50–4:30
Sequence C	TuF	8:00–9:40
Sequence D	TuF	9:50–11:30
Sequence E	TuF	11:45–1:25
Sequence F	TuF	1:35–3:15
Sequence G	TuF	3:25–5:05
Sequence L	MWTh	8:00–11:35
Sequence M	MTh	11:45–2:40
Sequence N	MW	2:50–5:40
Sequence P	MWTh	8:00–10:20
Sequence Q	MTh	10:30–1:25
Sequence R	MW	1:35–5:40
Sequence S	MW	1:35–4:30
Sequence T	TuF	8:00–11:30
Sequence U	TuF	11:45–3:15
Sequence V	TuF	3:25–5:25
Sequence W	TuF	1:35–5:05

Summer Schedule

Sequence 1	MTuWTh	8:00–9:40
Sequence 2	MTuWTh	9:50–11:30
Sequence 3	MTuWTh	1:30–3:10
Sequence 4	MTuWTh	3:20–5:00
Sequence 5	TuWTh	11:40–1:20
Sequence A	MW	8:00–11:30
Sequence B	MW	1:30–5:00
Sequence C	TuTh	8:00–11:30
Sequence D	TuTh	1:30–5:00

Activities Periods

Undergraduate activities hours are Wednesday, 11:45 AM–1:25 PM, and Thursday, 2:50 PM–4:30 PM, during fall and spring semesters.

Course Syllabus

Faculty members are expected to distribute a syllabus at the start of each course. The syllabus should also be placed on the course Blackboard site. The syllabus should include a schedule of topics, exam and assignment due dates, information on how to contact the faculty member, process for conference time, grading and attendance policies, and a reminder of the University's academic integrity policy.

Course Prerequisites

Students are expected to meet prerequisites as listed in the course description of each course in which they enroll. Grades of F, U, I, X, or W in prerequisite courses do not normally fulfill requirements. Exceptions must be authorized by the instructor teaching the course.

Overload Policy

An overload occurs when a student is enrolled in more courses than prescribed by the program's curriculum. To register for an overload, students are advised to consult their academic advisor. Students who enroll in overload courses will be billed at the per-credit-hour rate, 1/16 of the full-semester tuition for that semester per semester hour. Undergraduate full-time day students may register for an additional music ensemble course from the list of courses on page 10 without added charge as long as they are registered for a full course load.

Reduced Load Policies

Undergraduate full-time student adjustments for reduced loads are made only when the Undergraduate Petition to Reduce Load is approved by the academic advisor and by the Office of the Registrar. Adjustments will then be made if the course load falls below 12 semester hours during full semesters and 6 semester hours during summer half semesters (calculated at the per-credit-hour rate). To receive an adjustment, the Undergraduate Petition to Reduce Load must be submitted prior to the start of the term.

No rebate or credit is granted when a student voluntarily drops a course. A reduced load may impact the student's housing, financial aid, visa status, and health insurance. Students should consult applicable departments before committing to a reduced load. Students who take a reduced load will be billed at the per-credit-hour rate, 1/16 of the full-semester tuition for that semester per semester hour.

Taking a Course while on Co-op or on Summer Vacation

Students who wish to take a course while on co-op or on summer vacation must complete an appropriate form in their college academic student services office before the term begins. Students on co-op should complete the petition registration form, and students on summer vacation should complete the summer-only petition registration form. Students who do not file the appropriate form will be dropped from their preregistered courses. Students who take a course while on co-op will be billed the overload tuition rate. Students who take a course while on summer vacation will be billed at the underload tuition rate. (See "Overload Policy" and "Reduced Load Policies" above.)

Transfer Credits for Current Students

Once they matriculate, students are expected to complete all course work for their degree at Northeastern, or an entity in a formal contractual, consortial, or partnership relationship with Northeastern, or at an approved study-abroad program. In some cases, in order to clear a deficiency, to permit students access to courses deemed by their respective advisors and colleges to be important for their education but unavailable to them at Northeastern, or to remain on track for graduation, a student may petition their college for permission to take a course at another accredited institution.

With the approval of the college academic advisor and the graduate school offering the courses, students may take courses in Northeastern's graduate schools.

Students who wish to take courses at another institution and transfer the credit to Northeastern must obtain *prior* approval from the college academic advisor. The Office of the Registrar validates accredited institutions to ensure credit transferability. The student must earn a C (2.000) or better for a course to be considered for transfer. Students are responsible for providing documentation on the institution's accreditation, course grading, and course descriptions prior to approval.

Special Students

Students who are not enrolled at Northeastern University may petition the college academic student services office to take courses on a semester-by-semester basis. Approval is based on the student's academic qualifications and on the availability of class space. If the college academic student services office approves the course enrollment, the student pays the bill and then returns the completed forms to the Office of the Registrar.

Dropping Courses

Not attending class does not constitute withdrawal. Students receiving a grade of W or X or NE in any course are responsible for the costs associated with that course. Students must drop courses using processes described below:

IN FALL AND SPRING SEMESTERS

- Through the third week of the semester, students may withdraw without any grade being posted to the transcript. Courses may be dropped via the myNEU Web Portal (www.myneu.neu.edu).
- Between the fourth and eleventh week, students must complete a course drop form (available at the Office of the Registrar or the college academic student services office) and have it signed by their instructor and by a representative of either their college academic student services office or the department that offers the course. Students must return the original copy to the Office of the Registrar and keep a copy for themselves. Course withdrawals during this time are indicated by a W on the student's record. A faculty member may choose not to sign a course withdrawal form if a student was involved in any kind of academic dishonesty in the class. No financial adjustment is made for courses receiving a W grade.

- After the eleventh week, no withdrawals are accepted for any reason. A letter grade for the course will be posted on the transcript.
- Dropping below full-time enrollment (12 semester hours for fall and spring semesters) may affect financial aid, health insurance eligibility, and the maintenance of proper nonimmigrant visa status.

IN SUMMER HALF SEMESTERS

- Through the second week of the half semester, students may withdraw without any grade being posted to the transcript. Courses may be dropped via the myNEU Web Portal (www.myneu.neu.edu).
- Between the third and fifth week, students must complete a course drop form (available at the Office of the Registrar or the college academic student services office) and have it signed by their instructor and by a representative of either their college academic student services office or the department that offers the course. Students must return the original copy to the Office of the Registrar and keep a copy for themselves. Course withdrawals during this time are indicated by a W on the student's record. A faculty member may choose not to sign a course withdrawal form if a student was involved in any kind of academic dishonesty in the class. No financial adjustment is made for courses receiving a W grade.
- After the fifth week, no withdrawals are accepted for any reason. A letter grade for the course will be posted on the transcript.
- Dropping below full-time enrollment (8 semester hours for summer half semesters) may affect financial aid.

Late Admission to a Course

Students may petition to register for a course after the normal "class add" period, five class days. Permission may be granted if seats are available and at the discretion of the instructor. If students are not already registered for a full course load, late admissions may jeopardize full-time status.

The Undergraduate Day Closed and Late Course Registration Form is available at the Office of the Registrar and at www.northeastern.edu/registrar/form-ugd-closedlate-reg.pdf.

EXAMINATIONS

Final examinations are held during the last week of each semester. An examination schedule is posted on the Web at www.northeastern.edu/registrar/finexsched.html. It is the student's responsibility to know the time and location of each of his or her examinations. Final examinations are normally two hours in length.

- Students who have a final examination conflict (two examinations at the same hour or three examinations in one day) should go to the Office of the Registrar, 120 Hayden Hall, within the first two weeks of classes.
- Instructors may not give more than one half-hour examination in the week prior to final examinations.
- Final examinations must be held when scheduled by the Office of the Registrar.
- Students must adhere to instructor's rules of conduct during examinations.
- Students who have concerns about exams scheduled during the final week of classes, rescheduling of final examinations, or conduct during an examination should report their concerns to their college academic student services office, who will in turn notify the vice provost for undergraduate education.
- Students have the right to see their graded papers and examinations and discuss them with the instructor even if the papers are not returned.
- Any change of regularly scheduled classes or examinations must have the unanimous consent of the students involved unless other mutually acceptable arrangements for students to attend the alternative class or examination are worked out between the faculty member and the student(s) involved.
- In order that they may be available if a question arises about the final grade in a particular course, all final examinations, term papers, or projects that are not returned to students must be retained by the instructor or by the department for a period of one year.

COURSE CREDIT GUIDELINES

Course credit hours (semester hours) are assigned to a course based on the established national educational standard that one credit hour is equal to approximately three hours of student learning time per week over a period of a semester. The Office of the Registrar, 120 Hayden Hall, maintains the official record for all courses. In the event of error in any publication, the academic record will reflect the correct semester-hours applicable to any degree requirement.

On occasion, course titles change, while the course number remains the same. Despite such title changes, the course is still considered to be the same course. Students who have taken the course under the old title and then take the course again under the new title are considered to have repeated the course.

GRADING SYSTEM

Grades are officially recorded by letters, evaluated as follows.

Grade	Numerical Equivalent	Status
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	
D+	1.333	
D	1.000	Poor achievement
D–	0.667	
F	0.000	
I		Incomplete in a letter-graded course.
S		Satisfactory achievement in pass/fail course; counts toward degree requirements.
U		Unsatisfactory achievement in pass/fail course.
W		Course withdrawal
X		Incomplete in a pass/fail course.
NE		Not enrolled. Did not attend after the date of record, the start of the second full week.
IP		Course in progress. Intended for courses such as senior thesis or a project that extends over several semesters. An IP can be replaced by a regular grade with a standard change-of-grade card. The time restrictions on the I grade do not apply to the IP grade. While unchanged, it is not included in computing the grade-point average. If never changed, the course does not count toward graduation requirements.

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

Pass/Fail System

The individual schools and colleges state how and when the pass/fail system may be used. An outline of the general system follows.

- Any student not on academic probation may register for one pass/fail course per semester if permission is granted by the college in which the student is enrolled and if the course is offered on a pass/fail basis.
- Pass/fail courses are normally restricted to electives outside the major, minor, or NU Core requirements. The college faculty, however, may choose to adopt the pass/fail system of grading when it appears pedagogically sound for required courses within a major or minor.

- Before requesting a pass/fail grade from an instructor, students should meet with their academic advisor to determine whether doing so will disqualify the course from satisfying a program requirement or elective. In general, courses taken on a pass/fail basis can be used only to satisfy open electives.
- Individual faculty members may decide whether any of their courses may be taken on the pass/fail system of grading, except when uniformity is necessary. In such cases, the department and/or college faculty offering the course determine whether the pass/fail system is used.
- Grades recorded on the basis of the pass/fail system do not figure in the computation of the grade-point average. Satisfactory completion of all courses taken on the pass/fail system is designated on the student's permanent record by the letter S. Unsatisfactory work is designated by the letter U. Any unsatisfactory grade must be handled according to the existing policy of the college but must never be cleared through the election of the same course pass/fail, except when this system is the only one used by the college for grading the course.
- An incomplete in a course taken on a pass/fail basis is designated by the letter X on the permanent record and treated according to the normal procedure for incomplete grades.
- To use the pass/fail system, students must meet all prerequisites for the course and declare by the end of the second week of the semester their intention to receive a pass/fail grade. This deadline may be extended to the end of the eighth week at the option of the instructor.
- Students must submit a Petition to Elect Pass/Fail Grade, (www.northeastern.edu/registrar/form-passfail.pdf) signed by the faculty member.

Clearing an Incomplete (I) or Changing Other Grades

An I 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 I 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 I grade and for changing a grade other than an I or failure (F or U) is restricted to one calendar year from the date it is first recorded on the student's permanent record.

Freshmen with multiple course deficiencies, including I grades, may be required by their college academic advisor to rectify the deficiencies within a period of time less than the normal year.

To clear an I 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 (I or X) grade is specified and which is signed by the student and the instructor. The student must make an appointment with the instructor to arrange for clearing the I 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 quarter 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

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 grade-point average; 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.

Substituting Courses

In unusual cases, it may not be possible to repeat a course if a student wishes to do so. In certain circumstances, students may petition to substitute one course for another they have already taken, as long as the subject matter of both courses is substantially alike. With the approval of the student's academic advisor and the agreement of the department that offered the first course taken, a grade received in the new course will be labeled "Substitute" on the transcript and will be treated in the grade-point average calculation as a "repeat" grade, as described above. The original grade will remain on the student's Northeastern transcript. Consult your academic advisor before enrolling in any proposed substitute course. Students are required to pay normal tuition charges for all substitute course work.

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 "substitute" grade (see "Substituting Courses" policy above).
3. Under special circumstances, a student may be advised to take a preapproved course at Northeastern's College of Professional Studies or at another institution outside Northeastern University. The original grade will remain on the student's Northeastern transcript and will still be used in the calculation of the grade-point average.

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 in the *Undergraduate Student Handbook*.

Grade-Point Average (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	<u>1</u>	<u>4</u>
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 X, I, IP, S, and U are not included in the calculation of the grade-point average. Please see page 19 for a complete list of grades and numerical equivalents.

Dean's List

A dean's list, or honors list, is issued at the end of each fall and spring semester. Effective fall 2010, the requirements to be on the dean's list are a 3.500 grade-point average or higher with no I grade or grade below C-. Students who are on any form of probation, who are enrolled in a course on a pass/fail basis (except where there is no alternative or where required by the program), or who are not carrying a full load as determined by their undergraduate college are not eligible. With a few exceptions as approved by the respective colleges, a full load for fall and spring semesters is considered to be a minimum of four courses or 16 semester hours.

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.

Transcripts

Official transcripts are available upon request at the Transcript Office, 120 Hayden Hall, during regular business hours. Written requests for official transcripts can be mailed to: Transcript Office, 120 Hayden Hall, 360 Huntington Avenue, Northeastern University, Boston, MA 02115. Fax requests are also accepted at 617.373.5351; however, official transcripts are delivered only in person and by mail, not by fax. For further information on what needs to be included in the fax request, please visit www.northeastern.edu/registrar/trans_request.html. All questions concerning transcript requests should be directed to the above address or to 617.373.2199, TTY 617.373.5360. Currently enrolled students may obtain unofficial transcripts from the myNEU Web Portal (www.myneu.neu.edu).

ACADEMIC PROGRESSION STANDARDS

Faculty Advisor Communication Tool (FACT)

FACT warns students and their advisors of difficulty in courses. This warning is important for students’ success, especially for students with a cluster of academic problems. Faculty members are expected to submit warnings by the fifth week of the semester, early enough for correction of the performance or for withdrawal from the course, if appropriate. FACT warnings and/or progress reports for student-athletes are necessary for NCAA compliance.

Academic Status

Academic progress of all students is reviewed by academic advisors at the end of each semester. Students are notified soon after final grades are posted if there are concerns about academic progress in any or all of the following areas: (1) overall GPA; (2) semester hours successfully completed; and (3) failing or near-failing grades in courses that are required for progress in the major.

Students at Northeastern maintain good academic standing when they meet the following criteria: (1) have an overall GPA of 1.800 at the end of each semester of their freshman year and a minimum cumulative GPA of 2.000 at the end of each semester thereafter and (2) earn at least 12 semester hours in the semester just completed. Individual colleges may have additional requirements that are specified in each college section that follows.

In addition, many programs require that specific courses be successfully completed to progress to the next year. Students who do not make satisfactory progress will not graduate with their class and may be withdrawn. For more information about additional

academic progression standards for each college, program, or major, refer to the curriculum guidelines that can be found in the college sections of this catalog. For financial aid implications, see “College Expenses” beginning on page 9.

Academic Probation

Full-time students who fail to meet the criteria for good standing described above will be placed on academic probation effective for the following semester. The action will appear on the internal record, but not on the transcript.

Academic Dismissal

Students who remain on probation after two full-term academic semesters may be dismissed from the University. This action may appear on the transcript at the end of the second probationary semester. In addition, students who have below a 1.000 GPA in any semester following their first semester or cumulatively may be dismissed at the discretion of their college. Students may appeal this decision to the Academic Standing Committee of their college (see following section). International students should consult with an advisor in the International Student and Scholar Institute to discuss the impact of an academic dismissal as it relates to nonimmigrant visa status.

Academic Standing Appeals

Students may appeal academic standing status if they can provide evidence and/or reasons supporting an appeal. Generally, a student on probation may be granted no more than one additional full-term academic semester to meet the criteria for good academic standing. Students may appeal to the Academic Standing Committee of their college to review probation and dismissal cases.

Academic Eligibility for Participating in Student Organizations and Athletics

All students must have a minimum 2.000 overall grade-point average to be eligible for an elected or appointed leadership position in any student organization. Athletes must adhere to NCAA standards.

Repeating Courses to Clear Deficiencies

Please see “Repeating Courses” and “Clearing an Academic Deficiency” on page 20.

Definition of Freshman, Sophomore, Junior, and Senior

For undergraduate day students, freshman, sophomore, junior, and senior standing are determined by earned semester hours:

Freshman:	Less than 32 semester hours
Sophomore:	At least 32 but less than 64 semester hours
Junior:	At least 64 but less than 96 semester hours
Senior:	At least 96 semester hours

GRADUATION REQUIREMENTS

To be eligible to receive degrees, graduating seniors must meet all academic and residency requirements. They must also clear all financial, experiential education, and disciplinary deficiencies.

University-wide academic degree requirements are:

- Minimum of 128 semester hours to graduate with bachelor's degree. Some programs have higher semester-hour requirements.
- An overall GPA of 2.000.
- Satisfaction of the NU Core requirements.

In addition, each program of study has specific academic requirements. These are specified for each program under the various schools and colleges in this catalog.

Once they matriculate, students are expected to complete all course work for their degree at Northeastern, or an entity in a formal contractual, consortial, or partnership relationship with Northeastern, or at an approved Northeastern University study-abroad program. In some cases, in order to clear a deficiency, to permit students access to courses deemed by their respective advisors and colleges to be important for their educations but unavailable to them at Northeastern, or to remain on track for graduation, a student may petition their college for permission to take a course at another accredited institution.

Prior to completion of their program, students are expected to complete a graduation degree audit at their college's academic student services office.

Note: Participation in study abroad in a student's final semester may result in a delay in graduation due to calendar discrepancies across institutions.

Graduation with honors and selection as the class marshal (spring commencement only) are reserved for undergraduates who have completed 60 semester hours in residence. Students graduating prior to January 2014 must meet the following GPA requirements to graduate with honors:

Grade-point average	Honor conferred
3.250–3.499	Graduate with honor (<i>cum laude</i>)
3.500–3.749	Graduate with high honor (<i>magna cum laude</i>)
3.750–4.000	Graduate with highest honor (<i>summa cum laude</i>)

Students graduating in January 2014 or thereafter must meet the following GPA requirements to graduate with honors:

Grade-point average	Honor conferred
3.500–3.699	Graduate with honor (<i>cum laude</i>)
3.700–3.849	Graduate with high honor (<i>magna cum laude</i>)
3.850–4.000	Graduate with highest honor (<i>summa cum laude</i>)

Note: The University reserves the right to change these standards at any time.

Attendance at commencement is optional. Information concerning commencement is provided to all graduating seniors during the spring semester. Seniors who have been removed from the graduation list are notified if they fail to qualify for their degrees. No special notice is sent to students who do qualify.

DEGREES, MAJORS, AND MINORS

Declaring Majors and Minors

Undergraduate students may declare their majors upon admission to the University or may elect to spend one or two semesters in programs for undeclared students before declaring a major. Majors and concentrations are described under the various schools and colleges in this catalog; also see the "Directory of Academic Programs" at the beginning of the catalog.

Students should submit a petition form to earn a minor as early as possible and, generally, no later than the end of the junior year, by applying to the department offering the minor. Completion of the requirements of a major, minor, or concentration is noted on the transcript.

Changing Majors

Students who wish to change majors within the same college should consult the academic student services office of that college. Students who wish to change majors within the College of Arts, Media and Design; the College of Social Sciences and Humanities; and/or the College of Science should consult the Center for Academic Services in 1 Meserve Hall.

Students wishing to transfer to another college within Northeastern University should consult the information on the internal transfer program on the Office of the Registrar's Web site (www.northeastern.edu/registrar/itp.html). Transfer to another college is not automatic but is based on a number of factors, including the student's academic achievement and availability of space. Deadlines are at the discretion of the colleges.

Programs for Undeclared Students

The central University Program for Undeclared Students provides support and guidance to first-year students who have not yet decided upon or officially declared a major and who are considering majors within the College of Arts, Media and Design; the College of Social Sciences and Humanities; and/or the College of Science (www.undeclared.neu.edu). Students from the Program for Undeclared Students may also declare majors within other Colleges. Undeclared students are strongly encouraged to declare a major by the beginning of their sophomore year, particularly if they are interested in highly structured programs or in maximizing their number of co-op placements. Although every attempt will be made to honor the undeclared student's first choice of major, admission to a particular major may be dependent on factors such as the student's academic achievement and availability of space in the major.

The College of Business Administration, the College of Engineering, and the College of Computer Science also each provide resources to facilitate a major choice for students who enter their respective colleges with undeclared majors.

Double Major

Students may earn a double major by completing all requirements for two majors. Students completing a double major receive one degree and one diploma. The two majors appear on the transcript. If the two majors are in different colleges, the degree is associated with the major in the home college. At the time a second major is declared, the student will designate the home college in which he or she will be registered and from which he or she will be graduated. When the two components of the double major individually offer different degree designations (e.g., BSBA vs. BS), the student will choose which degree designation will appear on the transcript and diploma.

Combined and Independent Majors

Students with academic interests not available in the context of existing majors, minors, and double majors may elect a combined or independent major. In these majors, students pursue in-depth study in areas that are supported and approved by the appropriate Northeastern faculty members.

COMBINED MAJORS (FORMERLY KNOWN AS DUAL MAJORS)

Combined majors include at least nine courses associated with each of two participating disciplines. There must be at least one course that acts as a bridge between the disciplines. No more than two courses may count for both disciplines, i.e., there must be at least sixteen courses in the combined major. The combined major should be declared by the end of the first semester of the junior year. It is generally advantageous to declare the combined major as early as possible, especially when highly structured disciplinary components are involved. There are three categories of combined majors:

1. A number of defined combined majors currently exist, where the curriculum is specific to each individual program; to see a list of current combined major program options, visit www.northeastern.edu/registrar/major-2.html.
2. A number of disciplines have preapproved template programs that may be paired in a variety of combinations to yield combined majors; to see a list of current preapproved template programs, visit www.northeastern.edu/registrar/major-2.html.
3. Disciplines will consider combined programs upon student request.

Currently Defined Combined Major

Students may request admission to a currently defined combined major by following the standard procedure for changing majors. A home college is designated, in which the student will be registered and from which he or she will be graduated. Students completing a combined major receive one degree and one diploma. The combined major and home college will appear on the transcript and diploma.

Student-Requested Combined Major

Students may request admission to a new combined major by submitting the Combined Major Approval Form (www.northeastern.edu/registrar/form-maj-comb.pdf) that requires approval by both disciplines/colleges together with an approved curriculum. The request may be for a combined major comprised of preapproved template programs or for a new combined major to be considered by the participating disciplines. During the approval process, advisors from both disciplines will be designated, and one will be identified as the primary advisor. If the two disciplines partnering in the combined major are in different colleges, a home college will be designated, in which the student will be registered and from which he or she will be graduated. Students completing a combined major receive one degree and one diploma. The combined major and home college will appear on the transcript and diploma. When the two components of the combined major individually offer different degree designations, the degree designation that will appear on the transcript and diploma will be designated during the approval process.

INDEPENDENT MAJORS

Independent majors include courses in at least two disciplines and form an integrated program focusing on some issue, theme, or subject area not available within the context of existing majors, minors, and combined majors. These programs should be equivalent in depth and coherence to typical departmental majors. A substantial project that integrates the curriculum pursued is required for the independent major. No student with less than a 3.000 grade-point average will be approved for an independent major. All arrangements should be completed by the end of the first semester of the junior year, except by special permission of the appropriate dean, and no earlier than the end of the freshman year.

The student assumes the initiative in formulating an independent major. The student is responsible for securing the advice and approval of faculty mentors, at least one from each of the disciplines. These faculty mentors will help the student design the curriculum and will approve the required integrative project. The faculty mentors will guide the student's academic progress through the major. The student should select one of the faculty mentors as the primary mentor.

If the disciplines partnering in the independent major are in different colleges, the college of the primary mentor will be designated as the home college, in which the student will be registered and from which he or she will be graduated. Students completing an independent major receive one degree and one diploma. The independent major and home college will appear on the transcript and diploma. When the components of the independent major individually offer different degree designations (e.g., BA, BFA, BS), the degree designation that will appear on the transcript and diploma will be designated during the approval process. An independent major will be the student's only major.

The student, with the assistance of the faculty mentors, must formulate in writing and submit to the home college curriculum committee an Independent Major Approval Form (www.northeastern.edu/registrar/form-maj-ind.pdf) bearing the signatures of all faculty mentors and a proposal containing the following items:

- A statement of the central concept around which the independent major is organized and a rationale for the major, including a discussion of why existing programs are inadequate to the student's purpose and how the proposed major meets the student's educational, professional, or personal goals
- A list of courses (including names, numbers, and frequency of offering, if known) required for the major, including prerequisites, a programmatic justification for each, and a breakdown of the introductory, intermediate, experiential, and advanced/graduate courses included in this list
- A list of courses that fulfill all core requirements (NU Core and, if applicable, BA core)
- A list of courses (including numbers, names, and grades) already taken that will apply to the major or to the core requirements
- A statement of how the requirement for a substantial integrative project is to be fulfilled
- An official student transcript
- A calendar for completion of the degree

A meeting of all faculty mentors and the student must be held before college approval of the major program. Any changes in the curriculum must be approved by the faculty mentors and the home college must be informed. In accepting the proposal, the home college dean's office certifies that the rules established for the independent major have been followed, and it assumes administrative responsibility for monitoring the student's progress and clearing the student for graduation.

Second Bachelor's Degree

To earn a second bachelor's degree, a student must complete all the requirements for the degree and must complete 30 semester hours beyond the semester-hour requirement for the first bachelor's degree. In order to be eligible for the second bachelor's degree, the student must apply for admission to the second degree program, preferably by the end of the junior year. If the student is granted admission to the second program, then upon completion of all requirements for the first program and the award of the first degree, the student's status will be changed to the second program. A second diploma will be awarded and the second degree will be noted on the transcript.

PlusOne Bachelor's/Master's Programs

Northeastern University offers a number of PlusOne Bachelor's/Master's degree programs that allow students to accelerate the completion of the bachelor's degree by applying graduate credits taken as an undergraduate toward both the undergraduate and graduate degrees. Generally, both degrees may be earned in one more year than is the normal time allotted for completion of the bachelor's degree. Additional information on PlusOne Bachelor's/Master's programs is available at www.northeastern.edu/plusone.

Minors

Minors offer an opportunity for students to complement their major with intensive study in another area. A minor consists of a minimum of four courses defined by a department or an interdisciplinary program. In some cases, background courses are also required. Unless otherwise indicated, minors are generally open to all University students. Minors appear on the transcript only after completion of requirements has been certified and the degree has been awarded.

INDEPENDENT MINOR

The independent minor allows students to construct and obtain recognition for a coherent interdisciplinary focus of study outside their major that is not available within the context of existing minors. An independent minor should contain at least six courses approved by a faculty advisor who will serve as the minor's sponsor as well as facilitator for the student. The minor should include a directed study course to help the student integrate the subject matter from the disparate disciplines covered by the minor. Applicants must have attained sophomore status and not be on academic probation.

PERSONAL INFORMATION

Change of Name

Report all name changes to the Office of the Registrar immediately. This is especially important when students marry and wish to use a new name on University records.

Change of Address

Report all address changes via the myNEU Web Portal (www.myneu.neu.edu) or in person at the Office of the Registrar or Office of Student Accounts. Both the permanent home address and the local address are required. International students must also report any changes of address to the International Student & Scholar Institute within ten days in order to ensure compliance with SEVIS requirements.

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.

If you are an undergraduate day student and you choose not to share information with your parents, Northeastern will, if asked, indicate that you have restricted access to your 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:

- 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

The Family Educational Rights and Privacy Act (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 Web site:

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.

LEAVES OF ABSENCE AND UNIVERSITY WITHDRAWAL

General Leave of Absence Policy

Students who wish to take a leave of absence are encouraged to apply for the leave by filling out the proper petition with their college one month prior to the start of the effective semester. The usual limit for a leave of absence is for one or one and a half academic semesters (a semester plus a half semester). 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 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 the Office of Residential Life for policy information.
- Students' enrollment status cannot include more than one academic year of consecutive nonclass enrollments.

Students returning from an approved leave of absence must submit a notification of intent to return to their college academic student services office 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.

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. 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 10 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.

If the leave extends more than six months, student loans may go into repayment. After six months on leave, students will be withdrawn from the University. Students enrolled in the Northeastern University Student Health Plan (NUSHP) will remain enrolled in the plan, unless their medical leave ends in the summer term and they do not return to school in the fall term.

Emergency leave petitions are available in college academic student services offices and specify the conditions and procedures under which such leaves may be granted.

Medical leave petitions must be initiated at University Health and Counseling Services. Medical leave is an option available to those Northeastern students who become seriously ill or injured during the semester. A student who develops a major medical condition that precludes class attendance, completion of requirements and/or co-op, and wishes a medical

leave must first contact the University Health and Counseling Services Medical Leave Team.

Students who wish to reenter the University following a medical leave must contact the Medical Leave Team to initiate reentry no sooner than four or later than two weeks before the start of classes. The reentry process will be explained, the academic program notified, and a decision made within two weeks of receipt of all required documentation.

More specific procedures and information about the medical leave and reentry, along with the application for leave, can be found at www.northeastern.edu/uahcs.

Leave of Absence Due to Military Deployment

When a student in the U.S. Reserves or in the National Guard is called to active duty or when an international student is called to active duty in his or her home country, the student must notify his or her college academic student services office and provide proof of deployment prior to being deployed. The proof may be faxed, mailed, or hand-carried to the college academic student services office, which will ensure that the information is conveyed to the registrar's office. It may take the form of general orders cut by the company commander.

When a student is activated during the semester, the University will:

- Excuse tuition for that semester. 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 semester, 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 the tour of duty, he or she will notify the college academic student services office, which will in turn notify the registrar's office. The college academic student services office will assist the student with reentry and registration.

Leave of Absence for International Students

International students should discuss maintenance of proper U.S. immigration status with an advisor at the International Student & Scholar Institute before requesting a leave of absence.

University Withdrawal

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

Students may be withdrawn from the University for financial, disciplinary, academic, or health reasons. In the last case, the vice president for student affairs will review the recommendations of the director of health services to determine whether the student should withdraw. 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.

Please note that withdrawal from the University will impact an international student's immigration status. Thus, international students should discuss the means to maintain proper U.S. nonimmigrant visa status with an advisor at the International Student & Scholar Institute before requesting or after having been placed on withdrawal.

Academic Programs and Curriculum Guide

NU CORE

The NU Core is Northeastern University's set of institution-wide general education requirements for all students in all majors. The goal of the NU Core is to develop in our students the knowledge and skills to be lifelong learners with success in many careers, thoughtful global citizens, and fulfilled human beings. The NU Core is required for all freshmen who entered in fall 2007 and later. It does not apply to students already admitted with a different set of core requirements or to transfer students whose entry year was earlier than the fall of 2008.

NU CORE REQUIREMENTS

The NU Core requirements are as follows:

- **First-Year Learning Communities**
A first-year experience
- **Knowledge Domains**
Four courses
- **Writing-Intensive Instruction**
Four courses
- **Mathematical/Analytical Thinking**
Two courses
- **Comparative Study of Cultures**
One course
- **Integrated Experiential Learning**
One course or approved activity
- **Capstone**
One course

Description of NU Core Requirements

The entry-level NU core courses (comparative cultures, level 1 knowledge domains, first-year English, and level 1 mathematical/analytical thinking) and the experiential learning requirement involve exploring broad, new ways of thinking. To ensure the intended breadth, double counting of core requirements is not allowed among those domains. Some courses fit more than one of the entry-level categories, e.g., a knowledge domain category as well as the comparative study of cultures category. These courses are listed in both appropriate NU Core categories to give students more flexibility in how they select courses to meet requirements. However, a student cannot fulfill two of the entry-level NU Core requirements by taking a single course.

The intermediate and advanced NU Core requirements involve more focused, in-depth experiences that sometimes can be combined effectively in one course, e.g., many capstone courses also satisfy the writing-intensive requirement, some level 2 mathematical/analytical thinking courses also satisfy the writing-intensive requirement, some intermediate/advanced courses outside the major might also satisfy the comparative cultures requirement.

The following sections describe in greater detail the specific NU Core requirements:

FIRST-YEAR LEARNING COMMUNITY

Freshmen are cohort-registered in a linked set of two or more courses in the same semester to provide integration of subject matter and an opportunity for students and faculty with similar interests to become acquainted.

KNOWLEDGE DOMAINS

Complete an approved introductory-level course in each of three level 1 knowledge domains listed below and a level 2 intermediate or advanced course outside the major department. Generally, one of the introductory-level courses also satisfies a requirement for the major.

Arts/Humanities Level 1

Complete one approved course in arts/humanities level 1. Visit www.northeastern.edu/registrar/nucore.html for a list of current offerings.

Social Science Level 1

Complete one approved course in social science level 1. Visit www.northeastern.edu/registrar/nucore.html for a list of current offerings.

Science/Technology Level 1

Complete one approved course in science/technology level 1. Visit www.northeastern.edu/registrar/nucore.html for a list of current offerings.

Level 2 Elective

Complete one intermediate or upper-level course (generally numbered 2000 or above) outside your major.

COMPARATIVE STUDY OF CULTURES

Complete one approved course in comparative study of cultures or another approved approach, including traditional and short-term faculty-led study-abroad programs. Visit www.northeastern.edu/registrar/nucore.html for a list of current offerings, or see the "Global Experience" section on page 34 for further information on using study abroad to satisfy this requirement.

MATHEMATICAL/ANALYTICAL THINKING

Complete an approved introductory-level course in mathematical thinking and its application to posing and solving problems and an approved intermediate-level course in modes of thought that allow abstraction, application, and synthesis of information.

Level 1

Complete one approved course in mathematical/analytical thinking level 1. Visit www.northeastern.edu/registrar/nucore.html for a list of current offerings.

Level 2

Complete one approved course in mathematical/analytical thinking level 2. Visit www.northeastern.edu/registrar/nucore.html for a list of current offerings.

WRITING-INTENSIVE COURSES

Complete a first-year writing course and an advanced writing course provided by the English department and two approved writing-intensive courses in the major, as described in greater detail below. Usually, the capstone course serves as one of the major-specific writing courses.

CAPSTONE

Complete one approved capstone course within your major in the final semesters. This course acts as a final integrator of the major, general education, and experiential aspects of the student's education. Generally, this course also includes writing-intensive work and research or creative activity, and, in most cases, the second writing-intensive-in-the-major requirement is satisfied by the capstone course. Visit www.northeastern.edu/registrar/nucore.html for a list of current offerings.

EXPERIENTIAL LEARNING

Complete one approved experiential learning activity with a reflective component, as described in greater detail in the sections below ("Experiential Learning," "Cooperative Education," "Research and Creative Activity," "Service-Learning," and "Global Experience"). Experiential learning opportunities are disbursed throughout each student's undergraduate education to encourage the development of seeing connections between course work and experiential learning. Students should consult their college or their major department for advice on approved activities.

ADDITIONAL REQUIREMENTS FOR BA STUDENTS

In addition to successfully completing the University requirements of the NU Core (see above), students pursuing a Bachelor of Arts (BA) degree must fulfill the BA core requirements as outlined below.

KNOWLEDGE DOMAIN REQUIREMENT FOR BA STUDENTS

In the NU Core Knowledge Domain category, students pursuing a BA will complete one course in the arts domain and one course in the humanities domain (for a total of two arts/humanities core courses). Arts/humanities core courses in the following subjects are considered arts domain courses: ARCH, ARTD, ARTE, ARTF, ARTG, ARTH, ARTS, MUSC, MUSI, MUST, and THTR and selected AFAM and AFRS music courses. All other arts/humanities core courses are considered humanities domain courses.

LANGUAGE REQUIREMENT FOR BA STUDENTS

Each BA student must complete the language requirement by demonstrating proficiency at the elementary level and an intermediate-level requirement as described below.

Elementary-Level Proficiency

Satisfy one of the following requirements:

- Complete elementary-level two (course number 1102) of a language with grades of C or better in all course work (pass/fail grades cannot be used to satisfy this proficiency requirement).
- Earn a 4 or 5 score on an Advanced Placement (AP) exam in one of the languages offered or receive transfer credit for the equivalent of elementary-level two (course number 1102). Students who have AP or transfer credit must also receive a satisfactory rating in a language-specific interview administered by the World Languages Center upon matriculation.
- Receive a satisfactory score (as determined by the World Languages Center) on a standardized placement exam and a satisfactory rating in a language-specific interview administered by the World Languages Center upon matriculation.

Intermediate-Level Requirement

Satisfy one of the following requirements:

- Complete a course at the intermediate level (course number 2101 or higher) in the language taken at the elementary level.
- Complete a course in which the subject matter focuses on some aspect of the culture, history, or society of a part of the world where the language taken at the elementary level is spoken or used by a significant portion of the population. For a course list, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."
- Demonstrate conversational proficiency by successfully completing a proficiency interview (scheduled through the World Languages Center). This option is available only for heritage speakers of a language or for students who have completed the elementary-level language requirement through (b) advanced placement or (c) standardized placement exam as outlined above.

WRITING-INTENSIVE COURSES

The faculty expects all students to become effective writers. To this end, students are given opportunities to improve their writing throughout their curriculum.

First-Year Writing Requirement

All first-year students must satisfy a first-year writing requirement in one of the following ways:

- ENGL 1111, College Writing
- ENGL 1110, Introductory College Writing *plus* ENGL 1111
- ENGL 1102, College Writing for Speakers of Other Languages
- ENGL 1101, Introductory Writing for Speakers of Other Languages *plus* ENGL 1102

Depending on performance in ENGL 1110 or ENGL 1101, the second half of the two-course sequence may be waived, as determined by the Department of English. Students must earn a C or better in the required writing course to satisfy the first-year writing requirement.

Note: ENGL 1101 and ENGL 1110 are not credited toward graduation in the College of Engineering.

Advanced Writing Requirement

Once students have earned a minimum of 48 semester hours of academic credit and satisfied their first-year writing requirement, they are expected to register for the second course of the University-wide requirement: Advanced Writing in the Disciplines (AWD). Students are encouraged to take AWD before they have accrued 96 semester hours. A variety of AWD courses are offered, and different courses satisfy the requirement for students in different colleges. In consultation with their advisor, students should choose the AWD course that best fits their needs from among the available options. (A limited number of online AWD sections as well as sections for non-native speakers of English and international students are available.) Transfer credit cannot be used to satisfy this requirement. Students must earn a C or better to satisfy the advanced writing requirement.

Please see the Writing Programs site for more details: www.english.neu.edu/writingprogram.

Attendance Requirements and Other Policies

Writing program policy requires regular attendance at class meetings. Students are allowed three unexcused absences in classes that meet for three days a week; they are allowed two unexcused absences in classes that meet for two days. During the summer sessions, students are allowed two unexcused absences. Please see page 14 for University policy regarding attendance requirements and excused absences and www.english.neu.edu/writingprogram for all other policies governing first-year writing and AWD.

Writing-Intensive Courses in the Major

Each major includes at least two additional writing-intensive courses. These courses are characterized by frequent and regular writing, assessment and revision of student work, and the opportunity for students to improve their work.

EXPERIENTIAL LEARNING

Experiential learning offers the opportunity for an education that is richer and more meaningful, providing students with experiences that add depth to their classroom studies and enable them to explore and transform their lives. Experiential learning is tightly integrated with our course curriculum and is supported by advising in the majors as well as advising in the experiential learning group.

The primary ways in which the experiential learning requirement may be satisfied are:

- Cooperative education
- Research or creative activity
- Service-learning
- Global experience

Only one learning experience outside the classroom is required for the NU Core. However, students have many additional opportunities for further experiential learning.

Integration of course work and experiential learning occurs in the required capstone course, as well as in earlier guided opportunities linking concepts from major courses, NU Core courses, and experiential learning.

COOPERATIVE EDUCATION

www.northeastern.edu/coop

Cooperative education is the cornerstone of Northeastern University's experiential learning approach, in which on-campus study is enhanced by real-world experience. Through co-op, students alternate periods of academic courses with periods of employment in positions related to their academic or career interests. This combination provides an integrated learning experience that enhances both in-class studies and career development.

Co-op Scheduling Options

Northeastern provides the flexibility to pursue co-op and other experiential opportunities in a way that fits individual education goals. Full-time undergraduates may complete up to three six-month co-ops in five years and as many as two six-month co-ops in four years at Northeastern. The design of some programs, such as nursing, pharmacy, and theatre, requires four-month co-ops.

All co-op patterns share four semesters when students attend classes on a full-time basis: fall and spring terms of the first year, fall term of the second year, and spring term of the senior year. In the first three terms, students have an opportunity to develop academic expertise as well as professional development skills. In the last term, students have an opportunity to integrate their in-class and experiential activities in a capstone course. Generally, half of the required course credit will be completed in these four terms.

The remaining half of the required course credit may be arranged in a variety of schedules that incorporate six-month co-op periods and full-time classes in full semesters and summer half-semester. Students may also elect to take courses (on-campus or online) during co-op periods or to complete extra course credit in some terms. Advisors assist students in developing plans of study that best fit the students' experiential learning goals and the requirements of majors/minors.

Some sample schedules for the class entering in fall semester 2010 are shown below. Please note that there are multiple possible schedules and not all entering students will follow these particular examples. In all cases, however, the students will attend class on a full-time basis in fall semester 2010, spring semester 2011, fall semester 2011, and the final spring semester, either 2014 or 2015.

Sample schedule—five-year, three-co-op program:

- Co-op in July–December of 2012, 2013, and 2014
- Full-time classes in spring semester of 2012, 2013, and 2014
- Full-time classes in summer 1 half semester of 2012 and 2013

Sample schedule—four-year, two-co-op program:

- Co-op in July–December of 2012 and 2013
- Full-time classes in spring semester of 2012 and 2013
- Full-time classes in summer 1 half semester of years 2012 and 2013
- 16 credits distributed among courses taken on co-op (on campus or online), heavier course loads in full-time terms, courses in summer 2011 and/or AP credit

Sample schedule—four-year, one-co-op program:

- Co-op in July–December of 2013
- Full-time classes in fall semester of 2012 and spring semester of 2013 and 2014
- Full-time classes in summer 1 half semester of years 2012 and 2013

For better financial planning, students and parents should be aware that:

- Tuition is charged when a student is taking classes/earning academic credit. No tuition is charged while a student is on co-op (although the student will pay room and board if he or she stays in the dorm while on co-op and will be assessed tuition if enrolled in a class).
- Financial aid will be distributed to match the student's academic program and tuition bills.

Co-op Eligibility

Every student must meet the following eligibility requirements in order to participate in co-op. These are general requirements for all students; however, students must work closely with their cooperative education coordinator to ensure that they meet any college- or major-specific requirements and are aware of major-specific logistics, deadlines, and required paperwork. In accordance with U.S. federal regulations, international students must not begin or resume any co-op experience without first receiving employment authorization from the International Student & Scholar Institute (ISSI).

GENERAL REQUIREMENTS

Students must:

- Take and pass a preparatory course before going out on co-op.
- Satisfactorily complete the requirements and deadlines set by their specific co-op program.

- Register for co-op, either through their pattern of attendance or through a change in pattern of attendance, which must be approved by their cooperative education coordinator and academic advisor.
- Have received a Satisfactory (S) grade and have resolved any outstanding Incomplete (X) grades for previous co-ops. Students who have received an Unsatisfactory (U) grade must work with their cooperative education coordinator to reestablish eligibility in accordance with the policies and requirements of their program.
- Resolve any previous disciplinary or academic probation issues, or have their cooperative education coordinator approve a plan to resolve these issues, prior to being referred to co-op jobs.
- Have any self-developed co-op approved by their cooperative education coordinator before accepting the position.
- Comply with any preemployment checks required by the employer, such as drug testing, credit checks, physical examinations, security clearance, and criminal record checks.

ACADEMIC REQUIREMENTS

Students must:

- Be making satisfactory progress toward their degree as defined by the University, their colleges, and the curricula in their major programs.
- Have a cumulative 2.000 GPA to be eligible to go on domestic co-op or a 2.750 GPA to be eligible for international co-op at the time they apply for a co-op position.

TRANSFER STUDENTS

Transfer students from other universities must have met the same requirements in their major's co-op program as nontransfers and must have completed at least one semester of classes before doing co-op. Students transferring from one major to another within Northeastern must have completed the requisite courses and requirements as defined by their current major's co-op program.

APPEALS PROCESS

If a student does not meet the co-op eligibility requirements and/or their cooperative education coordinator has determined they are ineligible to go on co-op, they may appeal to the director of cooperative education for their college. If the matter cannot be resolved informally, they may appeal the decision to the college academic standing committee.

International Co-op

The International Cooperative Education Program provides students with an opportunity to explore global career options, develop intercultural and political sensitivity, and utilize and strengthen foreign language skills. Northeastern students co-op on all seven continents with foreign and multinational employers, U.S. employers doing business abroad, and other international organizations. Students may apply for existing positions or work with an international co-op counselor to develop their own. All majors are welcome to apply. International students participating in co-op abroad should consult with the ISSI in advance of departure in order to ensure reentry to the United States in proper

nonimmigrant visa status. The Presidential Global Scholars Program provides financial support for international co-op (www.northeastern.edu/globalscholars).

Registering for Co-op

Students register for co-op during the semester prior to the one when they plan to be on co-op. Just as for an academic course, they can register through the myNEU Web Portal (www.myneu.neu.edu). All co-op placements need to be approved by a co-op coordinator.

Co-op Documentation

Students who fully and successfully participate in co-op will receive a grade of Satisfactory; those who fail to complete their co-op assignment will receive a grade of Unsatisfactory. These grades will appear on the student's academic transcript. However, no academic credit is awarded for the completed co-op assignment.

Further Information

For more detailed information about co-op policies and procedures, please see the *Cooperative Education Student Handbook*.

RESEARCH AND CREATIVE ACTIVITY

www.research.neu.edu/students

Pursuing research at the university level makes our students knowledge creators and develops their teamwork skills. The discipline of mind that research requires is one of the best ways to learn to think critically. With dozens of majors and minors, many interdisciplinary research centers and institutes, and more than six hundred full-time faculty engaged in active research and scholarship, Northeastern offers countless opportunities for students to apply their classroom learning to the process of discovery.

Undergraduate students can participate in research and creative activity in a variety of formats, including the following: research courses, which generally fulfill major elective requirements; research co-ops or internships; community-based research; research-based activity as the option for work-study work; research as a volunteer activity; and junior/senior honors research projects.

Undergraduate students can apply for support for their research projects from the University-wide Provost's Undergraduate Research Fund and from a number of other offices and programs. They often present their research findings at Northeastern's annual Research Expo, as well as at academic conferences and in scholarly journals.

SERVICE-LEARNING

www.northeastern.edu/communityservice/services/servicelearning.html

Community service is part of Northeastern's urban mission. But more than good works, community service through structured service-learning programs on our campus is an academically rigorous educational experience that allows students to broaden their knowledge and skills through service that supports our partnerships with Boston schools, neighborhood agencies, health clinics, and nonprofit organizations.

Students participate in organized service projects, coordinated by their professor and/or a program director, which meet needs identified by the community. Before, during, and after their service, students also engage in structured reflection to help them gain further insight into course or program content, a broader appreciation of their academic discipline, and a greater sense of civic responsibility.

GLOBAL EXPERIENCE

www.northeastern.edu/oisp

Office: Office of International Study Programs, 10 Belvidere

Phone: 617.373.5276

Fax: 617.373.5702

E-mail contact: studyabroad@neu.edu

or William T. Hyndman III, *Director*, w.hyndman@neu.edu

Northeastern University strongly endorses global experience as an important dimension of learning. To foster this, it maintains an Office of International Study Programs that has developed a series of programs tailored to the interests and needs of Northeastern University students.

International Study Programs

While studying abroad in a Northeastern-sponsored program, students maintain full-time Northeastern status and earn Northeastern credits. In all cases and upon successful completion of the program, grades are calculated into students' GPA. The minimum requirements for participation are at least 32 semester hours of credit and a GPA of at least 2.500 that also meets the requirement of the host institution abroad. Application deadlines are posted on the Office of International Study Programs (OISP) Web site (www.northeastern.edu/oisp).

Students who wish to study abroad should start by researching program opportunities at www.northeastern.edu/oisp or by making an appointment with a study-abroad advisor. After choosing a program, students should also consult with their departmental or college advisors. Information sessions are offered regularly by OISP, and a schedule of these sessions is available on the Web site (www.northeastern.edu/oisp). Advisors in OISP

provide the final planning assistance. Schedules for walk-in hours for advising are posted online and in the OISP office. Please note that study abroad in a student's final semester may result in a delay in graduation due to calendar discrepancies across institutions.

Types of Programs

Northeastern University offers four types of study-abroad programs, although not all types are appropriate for some majors:

1. **Semester.** Students are based at a host institution where they attend classes, participate in student activities, and organize their extracurricular schedules just as they do on campus at Northeastern. Some examples include Monash University in Melbourne, Australia; University of Edinburgh in Scotland; and Meiji University in Tokyo, Japan.
2. **Faculty-Led Summer Programs.** Open to Northeastern University students of any major, the Dialogue of Civilizations Program is a series of "global student exchanges" between students at Northeastern University and students around the world. The goal of each program is (a) to connect NU students with their peers in different national, cultural, political, and social environments and (b) to provide NU students with a "global experience" that builds upon and enhances their academic studies and training in Boston.
3. **Internship.** These programs offer a combination of classes and related work experience for which students earn academic credit. For example, students typically intern with a member of the Australian Parliament in Canberra, the European Parliament in Brussels, the British Parliament in London, or the Irish Parliament in Dublin.
4. **International Research.** The focus of a student's time abroad is on an independent research project. In most cases, the study-abroad program organizes small group seminars and field trips that are designed to help students learn about their international environment and focus on a research topic. Students spend three to four weeks toward the end of the semester working on their individual projects. An example could be studying tropical biology in Costa Rica, history and culture in Vietnam, and oceanography while sailing in the Atlantic/Pacific Cruise Track of the SEA Semester Program.

Visit www.northeastern.edu/oisp to see a complete list of program options.

NU Core and Major Requirements

An NU-sponsored study-abroad experience (traditional term at a host institution, short-term global experience, or faculty-led program) may fulfill the NU Core requirement for comparative study of cultures or experiential learning. A student cannot fulfill both the comparative study of cultures requirement and any other NU Core requirement by taking a single course (or completing a single global experience). Thus, each student successfully completing an approved program could elect to use it to satisfy either the comparative cultures or experiential learning NU Core

requirement but could not satisfy both requirements with one experience. For the international affairs major, study abroad also fulfills the international experience requirement. Students may fulfill additional requirements, depending upon their individual academic plan and approval by their advisor.

WORLD LANGUAGES CENTER

DENNIS R. COKELY, PhD

Director

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Phone: 617.373.2234

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E-mail contact: Dennis R. Cokely, *Director*, d.cokely@neu.edu

The World Languages Center (WLC) is a cooperative venture between the College of Social Sciences and Humanities and the College of Professional Studies. The primary goal of the WLC is to offer an expanding array of languages in a variety of instructional formats for Northeastern students and to ensure that students will be able to take at least two years of instruction (four semesters) in any language offered by the WLC and three years of instruction (six semesters) in many of the languages offered.

Placement Assessment

Students with prior experience in French, German, or Spanish must take the online written placement exam if they wish to enroll in a French, German, or Spanish language class. The link for this exam can be found on the WLC or the Languages, Literatures, and Cultures Web site. Students with prior experience in any other language should contact the WLC to make an appointment for a placement assessment interview. Results of a student's placement online or interview assessments are valid for one year only.

Any student with prior experience in a language who registers for a language class without taking the WLC online placement test or a WLC placement assessment will not receive a letter grade for that course.

Attendance in Language Classes

The development of competence in a language requires regular and structured interaction opportunities. Thus, the WLC takes attendance in language classes very seriously. Each missed class will have specific consequences and will have a negative impact on a student's final grade. Thus, attendance in class is a matter of great significance. Because the number of students in a class is limited, a student's absence (and presence) will be noted. Because of the interactive nature of language instruction, students cannot make up missed classroom interactions. Students should be aware that they are graded on active participation in class, not simply attendance. Routine tardiness in a class will also have negative

consequences. Regular and enthusiastic participation and involvement in the class is expected.

No more than three (3) unexcused absences are permitted, after which each absence results in points deducted from the final point average used to determine a student's final letter grade. Classes missed as a result of registering late for a class will count as unexcused absences; if students believe they have been misplaced in a language class, they should consult the WLC immediately.

Auditing Language Classes

Auditing language classes is not permitted. Students who are not on the official roster of a class may not sit in on the class and will be asked to leave by the end of the first week of classes.

Immersion Language Classes

The WLC offers off-campus language immersion classes in a variety of languages. These immersion classes are numbered 1301, 1302, 2301, 2302, 3301, and 3302 and are designed to be part of a faculty-led study trip. Typically, these classes are offered during summer 1 and summer 2 terms. These courses will count toward fulfillment of the College of Arts and Sciences BA language requirement, assuming a student receives a grade of C or better.

Study-Away/Abroad Classes

The WLC will authenticate credit-bearing language classes taken in study-away/abroad programs at accredited institutions in fulfillment of and as equivalent to WLC language classes numbered 1101, 1102, 2101, or 2102. Students should receive approval of language course equivalence from the WLC before embarking on a study-away/abroad program. Failure to do so may mean that the courses taken away/abroad will not be accepted in lieu of on-site Northeastern language courses and thus may not satisfy the language requirement. Credit is only granted for successful completion of the course.

BSIB Language Classes

The Bachelor of Science in International Business program is offered through the College of Business Administration. Because of the intensive expectations of the program (one semester in classes abroad, one semester international co-op), the WLC offers classes that are restricted to BSIB students only. These courses are numbered 1201, 1202, 2201, 2202, 3201, 3202, 4201, and 4202. Only BSIB majors may enroll in these BSIB-designated courses.

UNIVERSITY HONORS PROGRAM

www.honors.neu.edu

MAUREEN KELLEHER, PHD

Director

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E-mail contact: Maureen Kelleher, *Director*, m.kelleher@neu.edu

The University Honors Program offers exceptionally motivated students an opportunity to enhance their educational experience through a rich academic experience that fosters development and achievement. The program frames opportunities that are intellectually rigorous, based on both foundational and advanced work in interdisciplinary thematic areas. Each entering student joins one thematic area that provides a foundation and framework for experiences in the program. The program offers honors course options for fulfilling a number of the University-wide NU Core requirements: introductory and intermediate/advanced knowledge domain courses; comparative study of cultures courses; writing-intensive courses (ENGL 1111 and ENGL 3301); and science and mathematics. The program partners with campus departments to provide additional honors opportunities. During the first year, students participate in the First Year Reading Project; take HONR 1101 and HONR 1103, team-taught introductory courses; can choose from a selection of honors courses targeted to the interdisciplinary thematic areas; and enroll in a variety of small, selected honors sections. Interdisciplinary honors seminars are offered to sophomores and above. Juniors and seniors complete an honors project that typically involves an independent research project or a set of courses designed for upperclass honors students. In addition, upperclass students may take honors credits in independent study and as honors teaching assistants.

The program benefits from access to distinguished faculty members and a community of engaged and enthusiastic peers. Honors students engage in creative and scholarly learning in the classroom as well as in our community and beyond. The program promotes global awareness and civic engagement across all of its offerings and empowers students through resources within the program as well as the larger Northeastern community. The honors experience also includes special housing opportunities in International Village for first-year students and in West Village F for upperclass students. The Honors Program office in 150 West Village F includes a multipurpose computer lab/lounge and a conference room for student use.

Honors students may earn two Honors Program distinctions: Honors Distinction and Honors College Distinction. Entering first-year students are invited to join based on a combination of their high school academic preparation, SAT/ACT scores, and leadership/civic engagement record. Current students are eligible to apply as second-semester freshmen or rising sophomores with

a 3.600 or better cumulative average. Juniors and seniors may join if they have a faculty member prepared to sponsor their Junior/Senior Honors Project.

PREMEDICAL AND OTHER PREPROFESSIONAL HEALTH CAREER PREPARATION

www.premed.neu.edu

Prehealth Studies

Because medical schools place a priority on well-rounded achievement, the premed course requirements can be integrated into any major at Northeastern. Most medical school admissions committees give no preference to any particular undergraduate major. Instead, students should focus on meeting the course requirements of their chosen majors, together with the prehealth professions requirements, with demonstrated academic rigor and excellence. The Prehealth Advising Program provides support for students from all majors who are planning to pursue doctoral-level training in medicine (including dentistry, optometry, osteopathy, podiatry, and veterinary medicine as well as MD programs).

In certain fields of medicine, scheduling all of the required courses and their prerequisites may be difficult for nonscience majors. Students interested in pursuing postgraduate degrees in dentistry, optometry, or veterinary medicine should be aware that these programs generally require additional courses beyond the minimum listed below and that these requirements tend to be more variable than for MD, osteopathy, or podiatry programs. All prehealth students should research requirements and plan their program of study early in their academic career at NU in consultation with both major and prehealth advisors to ensure that required courses will be completed in a timely fashion.

Prerequisite Courses

Most medical schools require a common set of science courses. The following Northeastern University courses are recommended:

BIOLOGY

Complete a lecture and lab for both Biology 1 and Biology 2:

Biology 1

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
or BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

Biology 2

BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
or BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

CHEMISTRY

General Chemistry

Complete the following two courses with corresponding labs:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Organic Chemistry

Complete the following two courses with corresponding labs:

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

PHYSICS

Complete a lecture and lab for both Physics 1 and Physics 2:

Physics 1

PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH

Physics 2

PHYS 1147	Physics for Life Sciences 2	4 SH
with PHYS 1148	Lab for PHYS 1147	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

MATHEMATICS

Complete one of the following sets of mathematics courses:

MATH 1130	College Math for Business and Economics	4 SH
and MATH 1231	Calculus for Business and Economics	4 SH
or MATH 1241	Calculus 1	4 SH
and MATH 1242	Calculus 2	4 SH
or MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
and MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
or MATH 1341	Calculus 1 for Science and Engineering	4 SH
and MATH 1342	Calculus 2 for Science and Engineering	4 SH

Additional courses may be required or suggested by some schools. Students should refer to individual medical school Web sites as well as the appropriate official admissions guidebook for up-to-date information: *ADEA Official Guide to Dental Schools* (www.adea.org); *College Information Book* (www.aacom.org); *Colleges of Podiatric Medicine Admissions Requirements* (www.aacpm.org); *Medical School Admissions Requirements* (www.aamc.org); *Schools and Colleges of Optometry Admissions Requirements* (www.opted.org); or *Veterinary Medical School Admissions Requirements* (www.aavmc.org).

BA/MD Early Acceptance Program at Tufts University School of Medicine

Tufts University School of Medicine offers an early acceptance program for eligible students at participating institutions. In addition to Northeastern University, institutions currently participating in this program are: Tufts University, Brandeis University, Boston College, and the College of the Holy Cross.

PRELAW PREPARATION

www.northeastern.edu/prelaw

Northeastern University adopts in full the statement of the American Bar Association on its “Preparing for Law School” page of its Web site (www.abanet.org/legaled/prelaw/prep.html). Most law school admissions committees give no preference to any particular undergraduate major.

The primary goal of the Prelaw Program at Northeastern is to assist current students, staff, and alumni in navigating the law school application process. This includes identifying and researching a variety of law schools to which the person may want to apply. For current NU students, the Prelaw Program will provide academic advising that will guide course selection and activities aimed at maximizing the student’s chance of being admitted to law school. These courses must have at least one, and preferably more, core skill and values such as: analytic/problem-solving skills, critical reading, writing skills, oral communication/listening abilities, general research skills, task organization/management skills, public service, and promotion of justice.

EDUCATION

www.doe.neu.edu

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Students in the education program may select from several program options. They may pursue a minor in elementary or secondary education or a minor plus Massachusetts Department of Education endorsement for licensure (minor plus student teaching). Students who pursue an education minor with elementary licensure must also meet the Massachusetts Department of Education content requirements, which may be completed through their major and the NU Core requirements.

Undergraduate students interested in teaching careers should contact the education program in 101 Belvidere for information on how to apply. To qualify for admission students must:

- Successfully complete EDUC 1111, “Education in the Community,” including the 30-hour community field placement in one of our community partner agencies.
- Be enrolled in an appropriate major in the College of Arts, Media and Design; the College of Science; or the College of Social Sciences and Humanities. For a minor in elementary education, all majors in these colleges are acceptable except human services and American Sign Language. (These majors do not match the Department of Education requirements.) For students seeking careers as high school teachers, the minor in secondary education offers preparation to teach biology, chemistry, English, history, mathematics, physics, political science, and Spanish.
- Have a GPA of 2.750 or higher.

To be eligible for student teaching (a licensure requirement), a student must:

- Pass all required Massachusetts Tests for Educators Licensure.
- Maintain a 2.750 GPA and earn a C or better in all education courses.
- Earn satisfactory evaluations from three previous field experiences.
- Complete all education courses required for licensure.
- Apply for student teaching at least one semester in advance.

Minor in Elementary Education

REQUIREMENTS IN ADDITION TO BA OR BS DEGREE REQUIREMENTS

Introductory Courses

Complete the following two courses with corresponding field experience, as indicated:

EDUC 1111	Education in the Community	4 SH
with EDUC 1112	Field Experience	0 SH
EDUC 4504	Learning and Accomplished Practice	4 SH

Advanced Courses

Complete the following five courses with corresponding teaching preparatory lab and field experience, as indicated:

EDUC 4530	Race and Urban Education	4 SH
EDUC 4552	Inquiry in the Humanities and Social Sciences at the Elementary Level	4 SH
EDUC 4553	Inquiry in Math and Science at the Elementary Level	4 SH
with EDUC 4947	Teaching Preparatory Lab 3	0 SH
EDUC 4567	Literacy Development and Instruction	4 SH
with EDUC 3521	Field Experience	0 SH
EDUC 4570	Inclusion, Equity, and Diversity	4 SH

GPA/GRADE REQUIREMENTS

2.750 GPA required and a grade of C or better in all required education courses

Minor in Elementary Education with Licensure

REQUIREMENTS IN ADDITION TO BA OR BS DEGREE REQUIREMENTS

Introductory Courses

Complete the following two courses with corresponding field experience, as indicated:

EDUC 1111	Education in the Community	4 SH
with EDUC 1112	Field Experience	0 SH
EDUC 4504	Learning and Accomplished Practice	4 SH

Advanced Courses for Massachusetts Licensure

Complete the following five courses with corresponding teaching preparatory lab and field experience, as indicated:

EDUC 4530	Race and Urban Education	4 SH
EDUC 4552	Inquiry in the Humanities and Social Sciences at the Elementary Level	4 SH
EDUC 4553	Inquiry in Math and Science at the Elementary Level	4 SH
with EDUC 4947	Teaching Preparatory Lab 3	0 SH
EDUC 4567	Literacy Development and Instruction	4 SH
with EDUC 3521	Field Experience	0 SH
EDUC 4570	Inclusion, Equity, and Diversity	4 SH

Additional State Licensure Requirements

Students must pass the following Massachusetts Tests for Educator Licensure (MTEL) prior to taking the practicum:

- Communication and Literacy Skills
- Foundations of Reading
- General Curriculum

Students must also complete 36 semester hours in Massachusetts Department of Education Categories through the courses in the major, courses in the NU Core, and elective courses.

Practicum and Seminar

Enroll concurrently in and complete the following teaching practicum and seminar after passing all subtests of MTEL. Only 8 of the total 12 semester hours may be used to meet graduation requirements:

EDUC 4850	Teaching Practicum	8 SH
EDUC 4851	Teaching Seminar	4 SH

GPA/GRADE REQUIREMENTS

2.750 GPA required and a grade of C or better in all required education courses

Minor in Secondary Education

REQUIREMENTS IN ADDITION TO BA OR BS DEGREE REQUIREMENTS

Introductory Courses

Complete the following two courses with corresponding field experience, as indicated:

EDUC 1111	Education in the Community	4 SH
with EDUC 1112	Field Experience	0 SH
EDUC 4504	Learning and Accomplished Practice	4 SH

Advanced Courses

ADVANCED COURSES

Complete the following four courses with corresponding literacy fieldwork, as indicated:

EDUC 4511	Curriculum Design and Assessment	4 SH
EDUC 4521	Language, Culture, and Literacy in Middle and High Schools	4 SH
with EDUC 3568	Literacy Field	0 SH
EDUC 4530	Race and Urban Education	4 SH
EDUC 4570	Inclusion, Equity, and Diversity	4 SH

TEACHING IN THE DISCIPLINES

Complete one of the following courses with corresponding field experience, as indicated:

EDUC 4522	Teaching the Language Arts	4 SH
or EDUC 4524	Teaching History and the Social Studies	4 SH
or EDUC 4525	Teaching Science	4 SH
or EDUC 4526	Teaching Mathematics	4 SH
with EDUC 4936	Disciplines Field	0 SH

GPA/GRADE REQUIREMENTS

2.750 GPA required and a grade of C or better in all education courses

Minor in Secondary Education with Licensure

REQUIREMENTS IN ADDITION TO BA OR BS DEGREE REQUIREMENTS

Introductory Courses

Complete the following two courses with corresponding field experience, as indicated:

EDUC 1111	Education in the Community	4 SH
with EDUC 1112	Field Experience	0 SH
EDUC 4504	Learning and Accomplished Practice	4 SH

Advanced Courses for Massachusetts Licensure

ADVANCED COURSES

Complete the following four courses with corresponding literacy fieldwork, as indicated:

EDUC 4511	Curriculum Design and Assessment	4 SH
EDUC 4521	Language, Culture, and Literacy in Middle and High Schools	4 SH
with EDUC 3568	Literacy Field	0 SH
EDUC 4530	Race and Urban Education	4 SH
EDUC 4570	Inclusion, Equity, and Diversity	4 SH

TEACHING IN THE DISCIPLINES

Complete one of the following courses with corresponding field experience, as indicated:

EDUC 4522	Teaching the Language Arts	4 SH
or EDUC 4524	Teaching History and the Social Studies	4 SH
or EDUC 4525	Teaching Science	4 SH
or EDUC 4526	Teaching Mathematics	4 SH
with EDUC 4936	Disciplines Field	0 SH

Additional State Licensure Requirements

Students must pass the following Massachusetts Tests for Educator Licensure (MTEL) prior to taking the practicum:

- Communication and Literacy Skills
- Subject Matter Knowledge

Practicum and Seminar

Enroll concurrently in and complete the following teaching practicum and seminar after passing all subtests of MTEL. Only 8 of the total 12 semester hours may be used to meet graduation requirements:

EDUC 4850	Teaching Practicum	8 SH
EDUC 4851	Teaching Seminar	4 SH

GPA/GRADE REQUIREMENTS

2.750 GPA required and a grade of C or better in all education courses

BS in Psychology and Education

See page 242.

ROTC, MILITARY OFFICERS' TRAINING PROGRAM

www.rotc.neu.edu

The Department of Military Science offers the Army Reserve Officers' Training Corps (ROTC) program. The goal of the program is to develop leadership potential in men and women and to prepare them for an officer's commission in the Active Army, Army Reserve, or Army National Guard. The curriculum teaches principles of leadership and personnel management and seeks to develop leadership traits such as teamwork, responsibility, initiative, self-confidence, and discipline.

Army ROTC Program

GARY M. SOLDATO, LTC, MS

Professor and Chair, Department of Military Science

Office: 335A Huntington Avenue

Phone: 617.373.2375

Fax: 617.373.8677

E-mail contact: CPT Michael A. Bowles, *Operations Officer*,
m.bowles@neu.edu

The Army ROTC program is conducted at Northeastern University. For more information, write the Department of Military Science, Northeastern University, 335A Huntington Avenue, Boston, MA 02115, or call 617.373.2375.

Completion of the Army ROTC program will lead to a commission as a second lieutenant in the United States Army, Army Reserve, or the Army National Guard. The program consists of the basic course (freshman and sophomore years) and advanced course (middler through senior years). The program does not conflict with co-op schedules.

Enrollment in the basic course is voluntary and is open to all full-time students. However, only cadets formally enrolled in ROTC may participate in leadership labs, physical training, and practical field exercises. Students in the basic course do not incur a military obligation. Check with your academic department to ensure credits are accepted.

The advanced course is open to all qualified students who have basic course credit or equivalent military experience, as well as meet the Army's physical, medical, and age requirements. Contracted students (advance course and/or scholarship) receive a monthly cash stipend while in school. Scholarship students also receive full tuition and fees as well as \$1,200 per year for books. Scholarships are merit based and are awarded as four-year, three-year, or two-year benefit packages.

In addition to ROTC classes, students have the opportunity to achieve an academic minor in leadership. See "Leadership Studies" on page 246.

Army Nurse Corps ROTC Program

ROTC provides an opportunity for college nursing students to receive practical, hands-on leadership experience. The courses provide a chance for students to develop management, communication, and decision-making skills. ROTC also provides nursing cadets an opportunity to participate in the Nurse Summer Training Program (NSTP). NSTP is a paid, three-to-four-week, hands-on clinical elective for Army ROTC nurse cadets. This elective is conducted at more than twenty Army hospitals in the continental United States, Hawaii, and Germany. During the NSTP clinical elective, the cadet receives experience under the direct supervision of a preceptor—an Army Nurse Corps officer who works with the cadet one-on-one. Scholarship nurse cadets receive a monthly cash stipend while in school as well as full tuition and fees and \$1,200 per year for books.

Navy ROTC Program

The Boston Navy ROTC unit is a six-school consortium that includes students from Boston University, Boston College, Northeastern, Tufts, Harvard, and MIT. All Navy ROTC scholarships are for nursing only and cover full tuition, mandatory fees, a \$375 per semester book stipend, and a \$250 per month living stipend that increases by \$50 each year. For students on Northeastern's five-year program, the Navy grants "Fifth Year Benefits," which mirror those of the fourth year. Upon graduation, there is a four-year active-duty commitment.

NROTC nursing students are required to take four naval science classes, in addition to their regular course work, and attend a leadership laboratory once a week. All classes, labs, and group workouts are conducted at Boston University. Students typically spend a total of six to eight hours per week participating in NROTC-related activities. Additionally, Navy nurses complete two summer cruises, or training sessions, prior to graduation, each of which lasts approximately four weeks. They spend one session with a medical unit at sea (on a Navy ship) and one session at a land-based Navy hospital. All lodging, transportation, meals, and

uniforms are paid for by the Navy during summer training sessions. For more information, contact Lt. Lauren Majchrzak at 617.353.4232 or lbw@bu.edu.

Air Force ROTC Program

Air Force ROTC is an educational and leadership program designed to give men and women the opportunity to become an Air Force officer while completing a bachelor's or master's degree.

Through a cross-enrolled program with Boston University, interested Northeastern University students may participate in the Air Force Reserve Officer Training Corps Program. The requirements include yearly aerospace studies classes, leadership laboratory classes, and physical fitness training. The mandatory weekly commitments range from five to seven hours per week.

In addition to the leadership and management training that cadets receive, they also benefit from several scholarship programs. *High school seniors* can apply for four- and three-year scholarships plus fees. The scholarships range from full tuition, \$15,000 per year, and \$9,000 per year. Scholarship winners will also receive a monthly stipend, a book allowance, and uniforms. Applications for scholarships are due by December 1 of senior year.

Freshmen and sophomores already in college can compete for two-, three-, and three-and-a-half-year scholarships, some of which cover full tuition, while others cover \$15,000 per academic year. All scholarship winners will receive a monthly stipend, a book allowance, and uniforms.

However, students do not need a scholarship to join Air Force ROTC. Meeting physical fitness, medical qualifications, and the Air Force Officer Qualifying Test requirements are the only necessary requirements to participate in Air Force ROTC. For more information, call 617.353.4705.

GENERAL STUDIES PROGRAM

www.gsp.neu.edu

LYNN DORNINK, MA
Associate Director

Office: 1 Meserve Hall
Phone: 617.373.3980
Fax: 617.373.7768

The General Studies Program (GSP) is a full-year program for entering freshmen, offering a unique learning environment where faculty, advisors, and peer leaders provide guidance and support to ensure the students' academic success. The GSP curriculum satisfies first-year academic requirements and is geared to students' academic and career goals. Program benefits include a low student-advisor ratio, fall and spring critical-thinking seminars taught by GSP advisors, a learning community organizational

model, a prescribed curriculum, small classes in specified courses, and access to a nationally certified peer tutoring program. Following the successful completion of the general studies year, students enter one of the University's seven undergraduate colleges with sophomore status in a specified major. All majors have defined entrance requirements; therefore, beginning in September, GSP advisors work closely with students to guide them toward their intended majors' requirements. GSP students should note that sophomore entrance into majors in the Bouvé College of Health Sciences, the School of Architecture, and the College of Engineering may require an additional semester to complete required course work. In the case of the Bouvé College of Health Sciences, entrance is extremely competitive because of space limitations. There are also restrictions on specific majors. If the student's ultimate goal is to major in one of these areas, we strongly encourage the student to discuss all enrollment options with a general studies advisor.

Academic Progression Standards

GSP students must meet the following criteria to successfully transition to sophomore standing:

1. 2.000 GPA (individual program entrance requirements vary)
2. 28 semester hours of credit (32 recommended)
3. Successful completion of college/major transition requirements

College of Arts, Media and Design

Requirements are major-specific. Students will be advised individually.

Bouvé College of Health Sciences

Requirements are major-specific. Entrance to some majors is extraordinarily competitive, and admission from GSP is rare. Students will be advised individually about requirements and space availability.

College of Business Administration

Requirements are as follows:

- Cumulative GPA of 2.800 or higher.
- Successful completion of the following courses with a cumulative GPA of 2.800 or higher:

BUSN 1101	Introduction to Business	4 SH
ECON 1115	Principles of Macroeconomics	4 SH
ENGL 1111	College Writing	4 SH
MATH 1130	College Math for Business and Economics	4 SH
and/or MATH 1231	Calculus for Business and Economics	4 SH

Note: Students must earn a B or higher in MATH 1130 and/or a C or higher in MATH 1231.

- Students applying to the Bachelor of Science in International Business (BSIB) program will be advised individually.

College of Computer and Information Science

Requirements are major-specific. Students will be advised individually.

College of Engineering

Requirements are major-specific. Students will be advised individually.

College of Science

Requirements are major-specific. Students will be advised individually.

College of Social Science and Humanities

Requirements are major-specific. Students will be advised individually.

Note: Major/college requirements are subject to change. GSP students work with the GSP advisors to receive the most up-to-date and accurate information.

Academic Probation

Same as University standards.

University Withdrawal, Low Scholastic Performance

Same as University standards.

General Studies Program**ARTS, MEDIA AND DESIGN TRACK****SCIENCE TRACK****SOCIAL SCIENCES AND HUMANITIES TRACK****UNDECLARED TRACK**

A cumulative GPA of 2.000 or higher with a minimum of 28 semester hours of earned credit is required (32 semester hours of earned credit is recommended). Specific program requirements vary. Consult your advisor for more information.

English Requirement

Complete the following two courses:

ENGL 1110	Introductory Writing	4 SH
ENGL 1111	College Writing	4 SH

Mathematics Requirement

Select math course(s) applicable to your major program of study. Calculus is required for most science programs and for architecture; MATH 1215 may be sufficient for nonscience programs. Consult your advisor for more information.

MATHEMATICAL THINKING

MATH 1215	Mathematical Thinking	4 SH
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CALCULUS

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

Strategic Thinking and Learning

Complete the following two courses:

GENS 1101	Strategic Thinking and Learning Seminar 1	1 SH
GENS 1102	Strategic Thinking and Learning Seminar 2	1 SH

NU Core Courses

Complete four NU Core courses appropriate for your major. Consult your advisor for a list of approved courses.

BUSINESS TRACK

A cumulative GPA of 2.800 or higher with a minimum of 28 semester hours of earned credit is required (32 semester hours of earned credit is recommended). Students applying to the Bachelor of Science in International Business (BSIB) program will be advised individually. For all business programs, specified courses and GPA are required. Consult your advisor for more information.

A cumulative GPA of 2.800 or higher is required in the following courses: (a) ENGL 1111, (b) MATH 1130 or MATH 1231, (c) ECON 1115, and (d) BUSN 1101.

English Requirement

Complete the following two courses:

ENGL 1110	Introductory Writing	4 SH
ENGL 1111	College Writing	4 SH

Mathematics Requirement

Complete one of the following courses. Students taking MATH 1130 must earn a grade of B or better; students taking MATH 1231 must earn a grade of C or better:

MATH 1130	College Math for Business and Economics	4 SH
MATH 1231	Calculus for Business and Economics	4 SH

Economics Course

Complete the following course:

ECON 1115	Principles of Macroeconomics	4 SH
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Strategic Thinking and Learning

Complete the following two courses:

GENS 1101	Strategic Thinking and Learning Seminar 1	1 SH
GENS 1102	Strategic Thinking and Learning Seminar 2	1 SH

Management Course

Complete the following course:

BUSN 1101	Introduction to Business	4 SH
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NU Core Courses**ARTS/HUMANITIES LEVEL 1**

Complete one course from the NU Core arts/humanities level 1 domain, as described on page 30.

SCIENCE/TECHNOLOGY LEVEL 1

Complete one course from the NU Core science/technology level 1 domain, as described on page 30.

HEALTH SCIENCES/TECHNOLOGY TRACK

A minimum of 28 semester hours of earned credit is required (32 semester hours of earned credit is recommended). Specific program requirements vary or are restricted. Consult your advisor for more information.

English Requirement

Complete the following two courses:

ENGL 1110	Introductory Writing	4 SH
ENGL 1111	College Writing	4 SH

Mathematics Requirement

Select math course(s) applicable to your major program of study. Calculus is required for most science programs; MATH 1215 is sufficient for only a few specific programs. Consult your advisor for more information.

CALCULUS

MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1343	Calculus 2 for Engineering Technology	4 SH

MATHEMATICAL THINKING

MATH 1215	Mathematical Thinking	4 SH
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Strategic Thinking and Learning

Complete the following two courses:

GENS 1101	Strategic Thinking and Learning Seminar 1	1 SH
GENS 1102	Strategic Thinking and Learning Seminar 2	1 SH

Science Requirement

Complete two science courses with corresponding lab(s) applicable to your major program of study. Consult your advisor for more information.

BIOLOGY

BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH
BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH
BIOL 1117	Integrated Anatomy and Physiology 1	4 SH
with BIOL 1118	Lab for BIOL 1117	1 SH
BIOL 1119	Integrated Anatomy and Physiology 2	4 SH
with BIOL 1120	Lab for BIOL 1119	1 SH

CHEMISTRY

CHEM 1101	General Chemistry for Health Sciences	4 SH
with CHEM 1102	Lab for CHEM 1101	1 SH
CHEM 1104	Organic Chemistry for Health Sciences	4 SH
with CHEM 1105	Lab for CHEM 1104	1 SH
CHEM 1151	General Chemistry for Engineers	4 SH
CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

COMPUTER AND INFORMATION SCIENCE

CS 1800	Discrete Structures	4 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH

PHYSICS

PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH

PSYCHOLOGY

PSYC 1101	Foundations of Psychology	4 SH
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NU Core Courses or Major-Specific Courses

Complete two NU Core courses or major-specific courses applicable to your major program of study. Consult your advisor for a list of approved courses.

ABOUT SAMPLE CURRICULA

The University's official repository of curricular information is the Degree Audit Reporting System. The curricula published on the following pages are derived from the Degree Audit Reporting System. In case of discrepancy, the Degree Audit Reporting System shall take precedence. Consult with your academic advising office, listed below, to make certain you have all the necessary resources before planning your own curriculum.

College of Arts, Media and Design

Dean's Office	135 Richards Hall
Center for Student Academic Services	1 Meserve Hall
Academic Program Offices	
Architecture, School of	151 Ryder Hall
Art + Design	239 Ryder Hall
Cinema Studies	225 Holmes Hall
Communication Studies	204 Lake Hall
Creative Industries (Game Design and Interactive Media)	239 Ryder Hall
Journalism, School of	102 Lake Hall
Music	351 Ryder Hall
Theatre	180 Ryder Hall

Bouvé College of Health Sciences	120 Behrakis Health Science Center
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College of Business Administration	250 Dodge Hall
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College of Computer and Information Science	202 West Village H
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College of Engineering	220 Snell Engineering Center
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College of Professional Studies Education	101 Belvidere
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College of Science

Dean's Office	115 Richards Hall
Center for Student Academic Services	1 Meserve Hall
Academic Program Offices	
Behavioral Neuroscience	422 Richards Hall
Biochemistry	134 Mugar Life Sciences Building
Biology	134 Mugar Life Sciences Building
Chemistry and Chemical Biology	102 Hurtig Hall
Earth and Environmental Sciences	14 Holmes Hall
Environmental Studies	14 Holmes Hall
Linguistics	563 Holmes Hall
Marine Studies	14 Holmes Hall
Mathematics	567 Lake Hall
Psychology	125 Nightingale Hall

College of Social Sciences and Humanities

Dean's Office	100 Meserve Hall
Center for Student Academic Services	1 Meserve Hall
Academic Program Offices	
African-American Studies	132 Nightingale Hall
American Sign Language— English Interpreting	405 Meserve Hall
Asian Studies	249 Meserve Hall
Criminology and Criminal Justice, School of	204 Churchill Hall
Economics	301 Lake Hall
English	406 Holmes Hall
History	249 Meserve Hall
Human Services	587 Holmes Hall
International Affairs	270 Holmes Hall
Jewish Studies	209 Lake Hall
Languages, Literatures, and Cultures	400 Meserve Hall
Latino/a, Latin American, and Caribbean Studies	447 Meserve Hall
Law, Policy, and Society	335 Holmes Hall
Leadership Studies	209 Lake Hall
Middle East Studies	270 Holmes Hall
Philosophy and Religion	371 Holmes Hall
Political Science	301 Meserve Hall
Sociology and Anthropology	500 Holmes Hall
Urban Studies	335 Holmes Hall
Women's, Gender, and Sexuality Studies	524 Holmes Hall

World Languages Center	400 Meserve Hall
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UNDERGRADUATE DEGREES

Listed below are the degrees conferred by the undergraduate full-time day colleges at Northeastern University.

College of Arts, Media and Design

Bachelor of Arts
Bachelor of Fine Arts
Bachelor of Science

Bouvé College of Health Sciences

Bachelor of Science
Bachelor of Science in Nursing
Bachelor of Science in Rehabilitation Science
Doctor of Pharmacy (six-year program)
Doctor of Physical Therapy (six-year program)

College of Business Administration

Bachelor of Science in Business Administration
Bachelor of Science in International Business

College of Computer and Information Science

Bachelor of Arts in Computer Science
Bachelor of Science in Computer Science
Bachelor of Science in Information Science
Bachelor of Science (combined majors only)

College of Engineering

Bachelor of Science in Chemical Engineering
Bachelor of Science in Civil Engineering
Bachelor of Science in Computer Engineering
Bachelor of Science in Electrical Engineering
Bachelor of Science in Industrial Engineering
Bachelor of Science in Mechanical Engineering

College of Science

Bachelor of Arts
Bachelor of Science

College of Social Sciences and Humanities

Bachelor of Arts
Bachelor of Science

College of Arts, Media and Design

www.northeastern.edu/camd

XAVIER COSTA, PHD, Dean

Office: Center for Student Academic Services, 1 Meserve Hall
 Phone: 617.373.3980
 Fax: 617.373.7768
 E-mail contact: csas@neu.edu

In today's global economy, the disciplines within the College of Arts, Media and Design are powerful drivers of growth and innovation. Creative fields and evolving technology make it possible to connect people and ideas as never before, serving as strong catalysts for change and expanding the understanding of our shared humanity.

The college integrates progressive programs of study in architecture, Art + Design, cinema studies, communication studies, game design, interactive media, journalism, music, and theatre with powerful experiential learning opportunities, enabling students to discover their passions and explore the ever-expanding prospects in their chosen fields.

The college offers Bachelor of Arts, Bachelor of Science, and Bachelor of Fine Arts degrees in a number of majors, as well as interdisciplinary programs, and emphasizes general education through the NU Core. Opportunities available to students in the College of Arts, Media and Design include national and international programs for study and experience; programs in field settings, both local and abroad; and programs involving affiliations in such areas as professional performing arts organizations and media organizations. The college also emphasizes experiential learning through cooperative education; service-learning; and other kinds of internships, student-faculty research collaborations, and study abroad.

Students may choose a four- or five-year experiential learning plan in most programs. Either plan offers co-op opportunities, often in an area related to the student's chosen academic area. Students are normally eligible to participate in co-op in the second semester of their sophomore year.

Many programs are flexible enough to allow students to pursue a double major, a major and a minor, or one of the college's specific combined majors. The college also offers students the opportunity to create an independent major in cases where their interests and goals are not met by a specific major program.

Academic Advising

The College of Arts, Media and Design has an academic advising system that consists of academic advisors located in the Center for

Student Academic Services in 1 Meserve Hall and faculty advisors located in the college's departments and program offices. Detailed advising information is available on the college Web site: www.northeastern.edu/camd. Prelaw advising (www.northeastern.edu/prelaw) and premedical/pre dental advising (www.premed.neu.edu) are also available.

Academic Progression Standards

The College of Arts, Media and Design adheres to the University-wide academic progression standards described in the beginning of the catalog. Some majors have additional specific requirements in order to progress from year to year (see major requirements in departmental listings).

Graduation Clearance Process

Students in the College of Arts, Media and Design are required to meet with an academic advisor in the Center for Student Academic Services in 1 Meserve Hall to determine their remaining graduation requirements. Some departments also require a meeting with a faculty advisor in their major/program. This should be completed in the junior year to ensure ample time to complete any outstanding requirements.

Transferring to the College of Arts, Media and Design

Students who wish to transfer to an arts, media and design major should meet with a faculty advisor in the major in which they are interested as well as the appropriate academic advisor in the Center for Student Academic Services in 1 Meserve Hall. Once both advisors have signed the petition for the student to be admitted to the major, the student must take the petition to the Center for Student Academic Services to be processed. For a list of academic advisors in the center and faculty advisors in the departments/programs, please consult the college Web site at www.northeastern.edu/camd. For specific internal transfer requirements, please refer to the academic programs section of the catalog. To declare a minor in the college, students should have a petition signed by a faculty advisor in the department/program offering the minor and then bring the signed petition to the Center for Student Academic Services.

College Requirements

All students in the College of Arts, Media and Design must successfully complete the University requirements of the NU Core (see page 30). In addition, students pursuing a Bachelor of Arts degree (BA) must fulfill the BA requirements (see page 31).

SCHOOL OF ARCHITECTURE

www.architecture.neu.edu

GEORGE THRUSH, MARCH

Professor and Chair, School of Architecture

Office: 151 Ryder Hall

Phone: 617.373.4637

Fax: 617.373.7080

E-mail contact: Danielle Walquist, *Office Manager*,
d.walquist@neu.edu

Architecture is the context for civic life. In an age of increasingly rapid technological and social change, architects must find ways to forge connections between our past and our future. That involves critical thinking about many complex contemporary issues, such as the relationship of public and private life, the interaction between formal and political ideas in cities, and the role of technology in contemporary architecture and design. Because the process of designing buildings involves the synthesis of disparate elements, it can also translate into strategies for approaching a wide range of other problems not traditionally understood to be “architecture.” At Northeastern, we connect specific problem solving inherent to architectural understanding with the larger context of contemporary cities.

The curriculum teaches students to conceptualize, synthesize, and represent complex architectural and urban issues. The program focuses on core skills and critical thinking as preparation for both professional practice and advanced study. The curriculum in the design studio encompasses two major themes: First, the studio projects focus on the art of building, and second, the projects explore how buildings affect urban conditions. Buildings meet both our individual need for shelter and our shared need for cultural meaning. The art of building includes the study of building construction and technology, as well as the cultural messages created by the expression of material, structure, and form in architecture. The contemporary city is our laboratory. This urban focus requires that students integrate their own creative impulses with the future of the society of which they will be a part. By building on the practical and technical training afforded by co-op to develop core professional skills, the curriculum focuses on architecture’s fundamental aesthetic, technological, social, and political aspects.

With the effective synthesis of the art of building with urban issues, Northeastern’s program in architecture is becoming a leader in identifying opportunities for civic representation, urban development, and neighborhood design. Northeastern’s students are in demand in area offices because of their combination of professional competence and fluency in urban architectural issues. There are opportunities for interdisciplinary cooperation in urban-oriented research and creative work in areas such as GIS mapping, urban economics and development, new forms of spatial and visual

communication, and public policy. Additionally, Northeastern’s urban focus is applied globally in the semester abroad.

Transferring to the Major

INTERNAL TRANSFERS

Students must take the following four freshman architecture courses:

ARCH 1310	History of World Architecture 1	4 SH
ARCH 1320	History of World Architecture 2	4 SH
ARCH 1110	Fundamental Architectural Representation	6 SH

ARCH 1120 Fundamental Architectural Design 6 SH
in the appropriate order and maintain a minimum cumulative GPA of 3.200 in order to be officially admitted into the School of Architecture. Please refer to the department Web site (www.architecture.neu.edu) for further information.

EXTERNAL TRANSFERS

Full-time architecture faculty members may evaluate nonstudio courses for conformity with NU requirements using transcripts and course descriptions. Any student seeking studio course credit (drawing, technology, or design) must present a portfolio for review and evaluation.

There is no portfolio requirement for freshman applicants.

Academic Progression Standards

A minimum GPA of 2.500 is required to remain in the major. Students below this average will not be allowed to continue in the major.

To graduate, a student must have a 2.500 GPA in architecture.

BS in Architecture

NU CORE REQUIREMENTS

See page 30 for requirement list.

ARCHITECTURE MAJOR REQUIREMENTS

Breadth Courses

CALCULUS

Complete the following course:

MATH 1241	Calculus 1	4 SH
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PHYSICS

Complete the following course:

PHYS 1141	General Physics	4 SH
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Architecture Requirements

FOUNDATION SKILLS

Complete the following four courses:

ARCH 1110	Fundamental Architectural Representation	6 SH
ARCH 1120	Fundamental Architectural Design	6 SH
ARCH 1310	History of World Architecture 1	4 SH
ARCH 1320	History of World Architecture 2	4 SH

HISTORY/THEORY

Complete the following four courses:

ARCH 2330	Nineteenth-Century Architecture and Urbanism	4 SH
ARCH 2340	Twentieth-Century Architecture and Urbanism	4 SH
ARCH 3350	American Houses and Housing	4 SH
ARCH 3361	Architecture and Urbanism Abroad	4 SH

TECHNOLOGY

Complete the following five courses:

ARCH 2230	Structures 1: Statics	4 SH
ARCH 2240	Structures 2: Tectonics	4 SH
ARCH 3450	Modeling and Design Communication	4 SH
ARCH 5210	Environmental Systems	4 SH
ARCH 5220	Integrated Building Systems	4 SH

STUDIO DESIGN

Complete the following six courses:

ARCH 2130	Studio 1: Site, Type, Composition	6 SH
ARCH 2140	Studio 2: Pattern and Urban Design	6 SH
ARCH 3155	Studio Abroad	6 SH
ARCH 3170	1960s Urbanism	6 SH
ARCH 5110	Housing and Aggregation	6 SH
ARCH 5120	Comprehensive Design Studio	6 SH

ARCHITECTURE SEMINARS

Complete the following two courses:

ARCH 3362	Seminar Abroad	4 SH
ARCH 5310	Architecture Seminar	4 SH

Experiential Learning

The experiential learning requirement is satisfied by the following course, taken as part of the studio design requirement:

ARCH 5110	Housing and Aggregation	6 SH
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MAJOR GPA REQUIREMENT

Minimum 2.500 GPA required

ARCHITECTURE MAJOR CREDIT REQUIREMENT

Complete 112 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

145 total semester hours required

Minimum 2.000 GPA required

Minor in Architectural History

This minor is not available to architecture majors.

REQUIRED COURSES

Complete the following four courses:

ARCH 1310	History of World Architecture 1	4 SH
ARCH 1320	History of World Architecture 2	4 SH
ARCH 2330	Nineteenth-Century Architecture and Urbanism	4 SH
ARCH 2340	Twentieth-Century Architecture and Urbanism	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

ART + DESIGN

www.art.neu.edu

RUSSELL PENSYL, MFA

Professor and Chair

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The visual arts are our oldest form of artistic expression. Yet today, the newest digital technologies have transformed and expanded artistic practice, production, and dissemination. More than ever, the ability to understand and use visual language is an essential part of the contemporary world. The Department of Art + Design is committed to teaching visual literacy and effective communication in many forms within the context of a broad liberal arts education. Excellent faculty and facilities make for a supportive and active place to study art and design.

BA in Art

The art major at Northeastern University is a general studio-based program that balances art history with studio art projects and classes in drawing and painting. It focuses on a well-rounded liberal arts education with a breadth of general studies in the arts and humanities, the natural and physical sciences, and the social sciences. Art majors have the option to take introductory courses in digital art and graphic design. A selection of studio courses can also be taken at the nearby School of the Museum of Fine Arts, Boston. Art + Design currently has three faculty-led, studio art programs in Ireland, Italy, and Spain. These intensive art programs run during the summer semesters.

BFA in Digital Art

Digital art is an evolving field for artists who use the computer as the primary medium for exploring, creating, and distributing their works of art. The digital art major at Northeastern University comprises the three principle technologies of dynamic and static image generation—photography, animation, and video. Students have the option of either focusing on one of these areas or creating their own path by exploring courses from all the areas. An intensive studio-based program, the curriculum seeks to provide students with knowledge in the efficacy of digital media in conjunction with critical theory. Extensive computer facilities afford students an opportunity to become highly proficient in the leading-edge skills necessary to produce their work.

BFA in Graphic Design

Graphic design is the practice of visualizing ideas and information to enhance human understanding. The graphic design major at Northeastern focuses on the ability to create and compose visual and verbal components to construct meaning in diverse knowledge fields. An intensive studio-based program, the curriculum balances design history and theory with studio projects in both dynamic and static media to provide a broad understanding of the principles of perception and communication. As active participants in the interpretation and production of meaning itself, students have the opportunity to integrate the many facets of their University-based liberal arts experience. Extensive computer facilities afford students an opportunity to become proficient in the leading-edge skills necessary to produce their work for both the virtual and concrete worlds.

BFA in Studio Art

A joint BFA degree program in collaboration with the School of the Museum of Fine Arts, Boston (SMFA). The studio art major consists predominately of studio art courses with an accompanying group of Art + Design history courses and general electives. Students in this program take their studio art classes at the SMFA (located directly adjacent to Northeastern's campus) and their Art + Design history courses and general electives at Northeastern. The BFA in Studio Art degree is awarded by Northeastern. This program allows you to explore a wide range of media, including ceramics, drawing, film, glass, metals, painting, performance, print and paper, sculpture, and sound.

Additional Combined Majors and Minors

The Department of Art + Design also offers the following combined majors and minors:

- Game design combined majors: For specific requirements and electives, see “BFA in Digital Art and Game Design” beginning on page 53 and “BFA in Graphic Design and Game Design” beginning on page 55.
- Interactive media combined majors: For specific requirements and electives, see “BFA in Digital Art and Interactive Media”

beginning on page 54 and “BFA in Graphic Design and Interactive Media” beginning on page 57.

- Computer science and digital art combined major: For specific requirements and electives, see “BS in Computer Science and Digital Art” beginning on page 153.
- Minors in Art + Design and art history are also available.

Admission Requirements for Art + Design

There are specific admissions criteria for students entering majors in the Department of Art + Design. See “Admission Requirements for Art + Design” in the Admission section of this catalog, page 5.

Transferring to the Major

Students already enrolled at the University may apply to transfer into the Department of Art + Design. Students wishing to transfer should do the following:

- Submit a transfer petition to the chair of the department.
- Apply with a minimum GPA of 2.500.
- Have the Art + Design chair assign them a faculty advisor.
- Fulfill the portfolio requirement at the time of application or on a schedule designated by the department chair.

Academic Progression Standards

Same as college standards.

BA in Art

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

ART + DESIGN CORE

Art + Design at Northeastern

Complete the following course:

ARTF 1000	Art + Design at Northeastern	1 SH
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Art + Design Foundations

Complete the following eight courses with corresponding tools courses, as indicated:

ARTF 1102	Color 1 Foundation	1 SH
ARTF 1104	Color 2 Foundation	1 SH
ARTF 1120	Drawing 1 Foundation	4 SH
ARTF 1121	Drawing 2 Foundation	4 SH
ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH

Art + Design History

Complete the following four courses:

ARTH 1110	Art + Design History before 1400	4 SH
ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH
ARTH 2211	Art + Design History, 1945 to Present	4 SH

ART REQUIREMENTS**Required Courses**

Complete the following two courses:

ARTS 4540	Contemporary Directions in Art	4 SH
ARTS 4541	Interarts	4 SH

Art Electives

Complete two courses from the art or digital art lists with corresponding tools courses, as indicated:

ART

ARTE 2500	Art + Design Abroad: Studio	4 SH
ARTE 2501	Art + Design Abroad: History	4 SH
ARTE 4901	Special Topics in Art + Design Studio	4 SH
ARTE 4902	Special Topics in Art + Design History	4 SH
ARTH 2213	Nineteenth-Century Art	4 SH
ARTH 2214	American Art	4 SH
ARTH 4500	Arts of the African Diaspora	4 SH
ARTH 5300	Postmodernism: Theory and Practice in the Visual Arts	4 SH
ARTS 2330	Sculpture Basics	4 SH
ARTS 2340	Painting Basics	4 SH
ARTS 2341	Figure Drawing	4 SH
ARTS 3449	Drawing in Mixed Media	4 SH

DIGITAL ART

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH
ARTD 3460	Photography 1	4 SH
ARTD 3470	Animation Studio 1	4 SH
ARTD 3480	Video 1	4 SH
ARTD 4565	Photography 2	4 SH
ARTD 4570	Animation Studio 2	4 SH
ARTD 4575	Animation Studio 3	4 SH
ARTD 4580	Video 2	4 SH
ARTD 4660	Studio Photography	4 SH
ARTD 4661	Alternative Photographic Processes	4 SH
ARTD 4680	Video 3	4 SH

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BFA in Digital Art**NU CORE REQUIREMENTS**

See page 30 for requirement list.

ART + DESIGN CORE**Art + Design at Northeastern**

Complete the following course:

ARTF 1000	Art + Design at Northeastern	1 SH
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Art + Design Foundations

Complete the following eight courses with corresponding tools courses, as indicated:

ARTF 1102	Color 1 Foundation	1 SH
ARTF 1104	Color 2 Foundation	1 SH
ARTF 1120	Drawing 1 Foundation	4 SH
ARTF 1121	Drawing 2 Foundation	4 SH
ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH

Art + Design History

Complete the following three courses:

ARTH 1110	Art + Design History before 1400	4 SH
ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH

DIGITAL ART REQUIREMENTS**Photography, Animation, and Video**

Complete the following five courses with corresponding tools courses, as indicated:

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH
ARTD 4530	Contemporary Directions in Digital Art	4 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH

Digital Art Electives

Complete four courses from the digital art or art lists:

DIGITAL ART

ARTD 3460	Photography 1	4 SH
ARTD 3470	Animation Studio 1	4 SH
ARTD 3480	Video 1	4 SH
ARTD 4565	Photography 2	4 SH
ARTD 4570	Animation Studio 2	4 SH
ARTD 4575	Animation Studio 3	4 SH
ARTD 4580	Video 2	4 SH
ARTD 4660	Studio Photography	4 SH
ARTD 4661	Alternative Photographic Processes	4 SH
ARTD 4680	Video 3	4 SH
ART		
ARTE 2500	Art + Design Abroad: Studio	4 SH
ARTE 2501	Art + Design Abroad: History	4 SH
ARTE 4901	Special Topics in Art + Design Studio	4 SH
ARTE 4902	Special Topics in Art + Design History	4 SH
ARTH 2213	Nineteenth-Century Art	4 SH
ARTH 2214	American Art	4 SH
ARTH 4500	Arts of the African Diaspora	4 SH
ARTH 5300	Postmodernism: Theory and Practice in the Visual Arts	4 SH
ARTS 2330	Sculpture Basics	4 SH
ARTS 2340	Painting Basics	4 SH
ARTS 2341	Figure Drawing	4 SH
ARTS 3449	Drawing in Mixed Media	4 SH

Design Requirement

Complete the following course with corresponding tools course:

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH

Design Elective

Complete one course from the following list:

ARTG 2252	Graphic Design 1	4 SH
ARTG 3351	Time-Based Design	4 SH
ARTG 3352	Interactive Design	4 SH
ARTG 4553	Environmental Design	4 SH

Digital Art Degree Project

Complete the following course:

ARTD 4670	Digital Art Degree Project	4 SH
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GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BFA in Graphic Design**NU CORE REQUIREMENTS**

See page 30 for requirement list.

ART + DESIGN CORE**Art + Design at Northeastern**

Complete the following course:

ARTF 1000	Art + Design at Northeastern	1 SH
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Art + Design Foundations

Complete the following eight courses with corresponding tools courses, as indicated:

ARTF 1102	Color 1 Foundation	1 SH
ARTF 1104	Color 2 Foundation	1 SH
ARTF 1120	Drawing 1 Foundation	4 SH
ARTF 1121	Drawing 2 Foundation	4 SH
ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH

Art + Design History

Complete the following four courses:

ARTH 1110	Art + Design History before 1400	4 SH
ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH
ARTH 2211	Art + Design History, 1945 to Present	4 SH

GRAPHIC DESIGN REQUIREMENTS**Design**

Complete the following six courses with corresponding tools course, as indicated:

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH
ARTG 2252	Graphic Design 1	4 SH
ARTG 3350	Typography 2	4 SH
ARTG 3450	Graphic Design 2	4 SH
ARTG 3451	Information Design	4 SH
ARTG 4550	Contemporary Directions in Graphic Design	4 SH

4D Design Electives

Complete two courses from the following list:

ARTG 3351	Time-Based Design	4 SH
ARTG 3352	Interactive Design	4 SH
ARTG 4552	Interactive Information Design	4 SH
ARTG 4553	Environmental Design	4 SH

Design Elective

Complete the typography course or the topics course listed below, or complete one additional 4D elective not previously taken from the above list "4D Design Electives."

TYPOGRAPHY

ARTG 4554 Typography 3 4 SH

TOPICS

ARTE 4901 Special Topics in Art + Design Studio 4 SH

Art Elective

Complete one course with corresponding tools course, as indicated, from the following list:

ARTD 2360 Photo Basics 4 SH

with ARTD 2361 Photo Tools 1 SH

ARTD 2370 Animation Basics 4 SH

with ARTD 2371 Animation Tools 1 SH

ARTD 2380 Video Basics 4 SH

with ARTD 2381 Video Tools 1 SH

ARTH 4500 Arts of the African Diaspora 4 SH

ARTH 5300 Postmodernism: Theory and Practice 4 SH

in the Visual Arts

Graphic Design Degree Project

Complete the following course:

ARTG 4551 Graphic Design Degree Project 4 SH

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BFA in Studio Art

The BFA in Studio Art is a joint degree program offered in collaboration with the School of the Museum of Fine Arts, Boston. Art + Design history and general education requirements are offered at Northeastern University, and studio art courses, which are determined in consultation with academic advisors at the School of the Museum of Fine Arts, are targeted to each student's unique program of study.

NU CORE REQUIREMENTS

See page 30 for requirement list.

ART + DESIGN HISTORY REQUIREMENTS FOR STUDIO ART

Complete five courses from the following list with a cumulative GPA of 2.500 or higher:

ARCH 1310 History of World Architecture 1 4 SH

ARCH 1320 History of World Architecture 2 4 SH

ARCH 2330 Nineteenth-Century Architecture and Urbanism 4 SH

ARCH 2340 Twentieth-Century Architecture and Urbanism 4 SH

ARCH 2350 American Architecture 4 SH

ARCH 3350 American Houses and Housing 4 SH

ARTE 2500 Art + Design Abroad: Studio 4 SH

ARTE 2501 Art + Design Abroad: History 4 SH

ARTE 4901 Special Topics in Art + Design Studio 4 SH

ARTH 1110 Art + Design History before 1400 4 SH

ARTH 1111 Art + Design History since 1400 4 SH

ARTH 2210 Art + Design History, 1900 to 1945 4 SH

ARTH 2211 Art + Design History, 1945 to Present 4 SH

ARTH 2212 Survey of the Still and Moving Image 4 SH

ARTH 2213 Nineteenth-Century Art 4 SH

ARTH 2214 American Art 4 SH

ARTH 4500 Arts of the African Diaspora 4 SH

ARTH 5300 Postmodernism: Theory and Practice in the Visual Arts 4 SH

CINE 1200 Exploring the Humanities through Film 4 SH

CINE 2150 Film Analysis 4 SH

CINE 2336 American Film 4 SH

CINE 2350 History of Film 4 SH

CINE 2394 Modern Film 4 SH

CINE 2550 Australian Film 4 SH

CINE 3370 Contemporary Directions in Cinema 4 SH

CINE 3395 American Film Survey 4 SH

CINE 3500 Film Theory 4 SH

CINE 3900 Film and Psychoanalysis 4 SH

CINE 3920 Topics in Cinema Studies 4 SH

CINE 3930 Topics in International Cinema 4 SH

CINE 4500 Modernism/Modernity and Film 4 SH

CLTR 1240 Latin American Film 4 SH

CLTR 1260 Japanese Film 4 SH

CLTR 1265 Spanish Civil War on Film 4 SH

CLTR 1280 French Film and Culture 4 SH

CLTR 2501 Chinese Film: Gender and Ethnicity 4 SH

CLTR 2504 Modern German Film and Literature 4 SH

ECON 1281 Economics of Art and Culture 4 SH

ENGL 3488 Film and Text 4 SH

ENGL 3489 Shakespeare on Film 4 SH

GAME 1110 Games and Society 4 SH

HIST 2386 History of Soviet Cinema 4 SH

HIST 3421 History through Film 4 SH

MUSC 1101 Introduction to Music 4 SH

MUSC 1109 Introduction to Art, Drama, and Music 4 SH

MUSC 1113 Film Music 4 SH

PSYC 2354 Psychology and Film 4 SH

RELS 1230 Sound, Music, and Religion 4 SH

RELS 1231 Image and Icon in South Asia 4 SH

RELS 3398 Religion and Culture in Indian Cinema 4 SH

STUDIO ART COURSES

Complete 84 semester hours of courses targeted to your unique program of study and determined in consultation with an academic advisor at the School of the Museum of Fine Arts. These courses generally have the SMFA subject prefix.

REQUIRED ELECTIVES

Complete 16 semester hours of open electives.

STUDIO ART MAJOR CREDIT REQUIREMENT

Complete 104 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

144 total semester hours required

Minimum 2.000 GPA required

BFA in Digital Art and Game Design**NU CORE REQUIREMENTS**

See page 30 for requirement list.

DIGITAL ART COURSES**Art + Design at Northeastern**

Complete the following course:

ARTF 1000	Art + Design at Northeastern	1 SH
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Art + Design Foundations

Complete the following ten courses with corresponding tools courses, as indicated:

ARTF 1102	Color 1 Foundation	1 SH
ARTF 1104	Color 2 Foundation	1 SH
ARTF 1120	Drawing 1 Foundation	4 SH
ARTF 1121	Drawing 2 Foundation	4 SH
ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH
ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH

Digital Art Requirements

Complete two of the following courses with corresponding tools courses:

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH

Digital Art Electives

Complete two of the following courses:

ARTD 3460	Photography 1	4 SH
ARTD 3470	Animation Studio 1	4 SH
ARTD 3480	Video 1	4 SH

ARTD 4565	Photography 2	4 SH
ARTD 4570	Animation Studio 2	4 SH
ARTD 4580	Video 2	4 SH

GENERAL REQUIREMENTS FOR GAME DESIGN COMBINED MAJORS**Social Science Level 1**

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Mathematics

Complete the following course:

MATH 1260	Math Fundamentals for Games	4 SH
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Computer Science

Complete the following course with corresponding lab:

CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH

Ethics and Culture

Complete one of the following courses. This course should be taken only after the student has completed 56 semester hours:

COMM 1220	Media, Culture, and Society	4 SH
PHIL 1145	Technology and Human Values	4 SH
SOCL 4528	Computers and Society	4 SH

GAME DESIGN COURSES**Game Design**

Complete the following seven courses:

GAME 1110	Games and Society	4 SH
GAME 2150	Programming for Games	4 SH
GAME 3300	Game Interface Design	4 SH
GAME 3700	Game Projects: Preproduction	4 SH
GAME 3800	Game Projects: Assets and Prototyping	4 SH
GAME 4700	Game Design Capstone 1	4 SH
GAME 4701	Game Design Capstone 2	4 SH

Interactive Media

Complete the following course:

IM 2100	Digital Narrative 1	4 SH
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CREATIVE INDUSTRIES ELECTIVES

Complete three courses from the following lists. If the course has prerequisites, the student must complete those first unless permission is obtained in advance from the program office. If the course requires a corresponding lab or tools course, that course must be taken as well:

Art + Design

ARTH 2210	Art + Design History, 1900 to 1945	4 SH
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Computer Science

CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH

CS 4100	Artificial Intelligence	4 SH
CS 4300	Computer Graphics	4 SH
CS 4400	Programming Languages	4 SH
CS 4550	Web Development	4 SH
CS 4800	Algorithms and Data	4 SH
IS 4300	Human Computer Interaction	4 SH

Game Design

GAME 3150	Game Design Algorithms	4 SH
GAME 3250	Artificial Intelligence for Games	4 SH
GAME 3400	Level Design and Game Architecture	4 SH
GAME 3500	Animation for Games	4 SH
GAME 3899	Topics in Game Design	4 SH

Graphic Design

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH
ARTG 2252	Graphic Design 1	4 SH
ARTG 3350	Typography 2	4 SH

Interactive Media

IM 1110	Interactive Media and Society	4 SH
IM 2200	Digital Narrative 2	4 SH
IM 2300	Managing Media Development	4 SH
IM 2400	Web Design and Development	4 SH
with IM 2401	Web Development Tools	1 SH
IM 3200	Interactive Sound Development	4 SH
IM 3899	Topics in Interactive Media	4 SH

Psychology

PSYC 3452	Sensation and Perception	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

REQUIRED GENERAL ELECTIVES

Complete three general electives. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

138 total semester hours required

Minimum 2.000 GPA required

BFA in Digital Art and Interactive Media**NU CORE REQUIREMENTS**

See page 30 for requirement list.

DIGITAL ART REQUIREMENTS**Art + Design at Northeastern**

Complete the following course:

ARTF 1000	Art + Design at Northeastern	1 SH
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Art + Design Foundations

Complete the following ten courses with corresponding tools courses, as indicated:

ARTF 1102	Color 1 Foundation	1 SH
ARTF 1104	Color 2 Foundation	1 SH
ARTF 1120	Drawing 1 Foundation	4 SH
ARTF 1121	Drawing 2 Foundation	4 SH
ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH
ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH

Graphic Design

Complete the following course with corresponding tools course:

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH

Digital Art Midlevel Studios

Complete two of the following courses with corresponding tools courses:

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH

Digital Art Electives

Complete two courses from the following list:

ARTD 3460	Photography 1	4 SH
ARTD 3470	Animation Studio 1	4 SH
ARTD 3480	Video 1	4 SH
ARTD 4565	Photography 2	4 SH
ARTD 4570	Animation Studio 2	4 SH
ARTD 4580	Video 2	4 SH

INTERACTIVE MEDIA REQUIREMENTS**Interactive Media Courses**

Complete the following seven courses:

IM 1110	Interactive Media and Society	4 SH
IM 2100	Digital Narrative 1	4 SH
IM 2250	Programming for Digital Media	4 SH

IM 2300	Managing Media Development	4 SH
IM 2400	Web Design and Development	4 SH
with IM 2401	Web Development Tools	1 SH
IM 4700	Interactive Media Capstone 1	4 SH
IM 4701	Interactive Media Capstone 2	4 SH

GENERAL REQUIREMENTS

Social Science Level 1

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Mathematics

Complete the following course:

MATH 1260	Math Fundamentals for Games	4 SH
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Computer Science

Complete the following course:

CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH

Ethics and Culture

Complete one of the following courses. This course should be taken only after the student has completed 56 semester hours:

COMM 1220	Media, Culture, and Society	4 SH
PHIL 1145	Technology and Human Values	4 SH
SOCL 4528	Computers and Society	4 SH

CREATIVE INDUSTRIES ELECTIVES

Complete three courses from the following lists. If the course has prerequisites, the student must complete those first unless permission is obtained in advance from the program office. If the course requires a corresponding lab or tools course, that course must be taken as well:

Computer Science

CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4100	Artificial Intelligence	4 SH
CS 4300	Computer Graphics	4 SH
CS 4400	Programming Languages	4 SH
CS 4550	Web Development	4 SH
CS 4800	Algorithms and Data	4 SH
IS 4300	Human Computer Interaction	4 SH

Game Design

GAME 1110	Games and Society	4 SH
GAME 2150	Programming for Games	4 SH
GAME 3150	Game Design Algorithms	4 SH
GAME 3250	Artificial Intelligence for Games	4 SH
GAME 3300	Game Interface Design	4 SH
GAME 3400	Level Design and Game Architecture	4 SH
GAME 3899	Topics in Game Design	4 SH

Graphic Design

ARTG 2252	Graphic Design 1	4 SH
ARTG 3350	Typography 2	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH

Interactive Media

IM 2200	Digital Narrative 2	4 SH
IM 3200	Interactive Sound Development	4 SH
IM 3250	Physical Computing	4 SH
IM 3500	Cross-Media Marketing and Communication	4 SH
IM 3600	Market Analysis for the Creative Industries	4 SH
IM 3700	Interface and Virtual Environments	4 SH
IM 3899	Topics in Interactive Media	4 SH

Psychology

PSYC 3452	Sensation and Perception	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

REQUIRED GENERAL ELECTIVES

Complete three general electives. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

140 total semester hours required

Minimum 2.000 GPA required

BFA in Graphic Design and Game Design

NU CORE REQUIREMENTS

See page 30 for requirement list.

GRAPHIC DESIGN COURSES

Art + Design at Northeastern

Complete the following course:

ARTF 1000	Art + Design at Northeastern	1 SH
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Art + Design Foundations

Complete the following ten courses with corresponding tools courses, as indicated:

ARTF 1102	Color 1 Foundation	1 SH
ARTF 1104	Color 2 Foundation	1 SH
ARTF 1120	Drawing 1 Foundation	4 SH
ARTF 1121	Drawing 2 Foundation	4 SH
ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH

ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH
ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH

Graphic Design Requirements

Complete the following five courses with corresponding tools course, as indicated:

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH
ARTG 2252	Graphic Design 1	4 SH
ARTG 3350	Typography 2	4 SH
ARTG 3450	Graphic Design 2	4 SH
ARTG 3451	Information Design	4 SH

4D Design Elective

Complete one of the following courses:

ARTG 3351	Time-Based Design	4 SH
ARTG 3352	Interactive Design	4 SH
ARTG 4552	Interactive Information Design	4 SH
ARTG 4553	Environmental Design	4 SH

GENERAL REQUIREMENTS FOR GAME DESIGN COMBINED MAJORS**Social Science Level 1**

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Mathematics

Complete the following course:

MATH 1260	Math Fundamentals for Games	4 SH
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Computer Science

Complete the following course with corresponding lab:

CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH

Ethics and Culture

Complete one of the following courses. This course should be taken only after the student has completed 56 semester hours:

COMM 1220	Media, Culture, and Society	4 SH
PHIL 1145	Technology and Human Values	4 SH
SOCL 4528	Computers and Society	4 SH

GAME DESIGN COURSES**Game Design**

Complete the following seven courses:

GAME 1110	Games and Society	4 SH
GAME 2150	Programming for Games	4 SH
GAME 3300	Game Interface Design	4 SH
GAME 3700	Game Projects: Preproduction	4 SH
GAME 3800	Game Projects: Assets and Prototyping	4 SH
GAME 4700	Game Design Capstone 1	4 SH
GAME 4701	Game Design Capstone 2	4 SH

Interactive Media

Complete the following course:

IM 2100	Digital Narrative 1	4 SH
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CREATIVE INDUSTRIES ELECTIVES

Complete two courses from the following lists. If the course has prerequisites, the student must complete those first unless permission is obtained in advance from the program office. If the course requires a corresponding lab or tools course, that course must be taken as well:

Computer Science

CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH

Digital Art

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH

Game Design

GAME 3150	Game Design Algorithms	4 SH
GAME 3250	Artificial Intelligence for Games	4 SH
GAME 3400	Level Design and Game Architecture	4 SH

Interactive Media

IM 1110	Interactive Media and Society	4 SH
IM 2200	Digital Narrative 2	4 SH
IM 2300	Managing Media Development	4 SH
IM 2400	Web Design and Development	4 SH
with IM 2401	Web Development Tools	1 SH
IM 3200	Interactive Sound Development	4 SH
IM 3899	Topics in Interactive Media	4 SH

Psychology

PSYC 3452	Sensation and Perception	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

REQUIRED GENERAL ELECTIVES

Complete two general electives. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

138 total semester hours required

Minimum 2.000 GPA required

BFA in Graphic Design and Interactive Media**NU CORE REQUIREMENTS**

See page 30 for requirement list.

GRAPHIC DESIGN REQUIREMENTS**Art + Design at Northeastern**

Complete the following course:

ARTF 1000 Art + Design at Northeastern 1 SH

Art + Design Foundations

Complete the following eight courses with corresponding tools courses, as indicated:

ARTF 1102	Color 1 Foundation	1 SH
ARTF 1104	Color 2 Foundation	1 SH
ARTF 1120	Drawing 1 Foundation	4 SH
ARTF 1121	Drawing 2 Foundation	4 SH
ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH

Art + Design History

Complete the following two courses:

ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH

Graphic Design

Complete the following five courses with corresponding tools course, as indicated:

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH
ARTG 2252	Graphic Design 1	4 SH
ARTG 3350	Typography 2	4 SH
ARTG 3450	Graphic Design 2	4 SH
ARTG 3451	Information Design	4 SH

Graphic Design Elective

Complete one course from the following list:

ARTG 3351	Time-Based Design	4 SH
ARTG 4552	Interactive Information Design	4 SH
ARTG 4553	Environmental Design	4 SH

INTERACTIVE MEDIA REQUIREMENTS**Interactive Media Courses**

Complete the following seven courses:

IM 1110	Interactive Media and Society	4 SH
IM 2100	Digital Narrative 1	4 SH

IM 2250	Programming for Digital Media	4 SH
IM 2300	Managing Media Development	4 SH
IM 2400	Web Design and Development	4 SH
with IM 2401	Web Development Tools	1 SH
IM 4700	Interactive Media Capstone 1	4 SH
IM 4701	Interactive Media Capstone 2	4 SH

GENERAL REQUIREMENTS**Social Science Level 1**

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Mathematics

Complete the following course:

MATH 1260	Math Fundamentals for Games	4 SH
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Computer Science

Complete the following course:

CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH

Ethics and Culture

Complete one of the following courses. This course should be taken only after the student has completed 56 semester hours:

COMM 1220	Media, Culture, and Society	4 SH
PHIL 1145	Technology and Human Values	4 SH
SOCL 4528	Computers and Society	4 SH

CREATIVE INDUSTRIES ELECTIVES

Complete three courses from the following lists. If the course has prerequisites, the student must complete those first unless permission is obtained in advance from the program office. If the course requires a corresponding lab or tools course, that course must be taken as well:

Computer Science

CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4100	Artificial Intelligence	4 SH
CS 4300	Computer Graphics	4 SH
CS 4400	Programming Languages	4 SH
CS 4550	Web Development	4 SH
CS 4800	Algorithms and Data	4 SH
IS 4300	Human Computer Interaction	4 SH

Digital Art

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH

Game Design

GAME 1110	Games and Society	4 SH
GAME 2150	Programming for Games	4 SH
GAME 3150	Game Design Algorithms	4 SH
GAME 3250	Artificial Intelligence for Games	4 SH
GAME 3300	Game Interface Design	4 SH
GAME 3400	Level Design and Game Architecture	4 SH
GAME 3899	Topics in Game Design	4 SH

Interactive Media

IM 2200	Digital Narrative 2	4 SH
IM 3200	Interactive Sound Development	4 SH
IM 3250	Physical Computing	4 SH
IM 3500	Cross-Media Marketing and Communication	4 SH
IM 3600	Market Analysis for the Creative Industries	4 SH
IM 3700	Interface and Virtual Environments	4 SH
IM 3899	Topics in Interactive Media	4 SH

Psychology

PSYC 3452	Sensation and Perception	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

REQUIRED GENERAL ELECTIVES

Complete two general electives. If the NU Core comparative studies of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

138 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Digital Art

See page 153.

Minor in Art + Design

Restricted to students with majors outside the Department of Art + Design.

ART + DESIGN REQUIRED COURSES

Complete the following four courses with corresponding tools courses, as indicated:

ARTF 1120	Drawing 1 Foundation	4 SH
ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH

ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH

ART + DESIGN ELECTIVE

Complete one of the following courses with corresponding tools course, as indicated. *Note:* There is no tools course for ARTS 2340:

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH
ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH
ARTS 2340	Painting Basics	4 SH

GPA REQUIREMENT

3.000 GPA required in the minor

Minor in Art History**REQUIREMENTS FOR NON-ART + DESIGN MAJORS**

Students with majors outside the Department of Art + Design should complete the following requirements:

Art History Electives

Complete five courses from the following list. *Note:* Architectural history courses may also be used upon approval of the chair of the Department of Art + Design.

ARTE 2501	Art + Design Abroad: History	4 SH
ARTH 1110	Art + Design History before 1400	4 SH
ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH
ARTH 2211	Art + Design History, 1945 to Present	4 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH
ARTH 2213	Nineteenth-Century Art	4 SH
ARTH 2214	American Art	4 SH
ARTH 4500	Arts of the African Diaspora	4 SH
ARTH 5300	Postmodernism: Theory and Practice in the Visual Arts	4 SH

REQUIREMENTS FOR ART + DESIGN MAJORS

Students with majors in the Department of Art + Design should complete the following requirements:

Art History Electives

Augment the art history courses within your major by completing four electives from the following list. *Note:* Architectural history, cinema studies, or creative industries courses may also be used upon approval by the chair of the Department of Art + Design.

ARTE 2501	Art + Design Abroad: History	4 SH
ARTH 2211	Art + Design History, 1945 to Present	4 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH

ARTH 2213	Nineteenth-Century Art	4 SH
ARTH 2214	American Art	4 SH
ARTH 4500	Arts of the African Diaspora	4 SH
ARTH 5300	Postmodernism: Theory and Practice in the Visual Arts	4 SH

GPA REQUIREMENT

3.000 GPA required in the minor

Minor in Digital Art

Restricted to graphic design majors.

REQUIRED COURSE

Complete the following course:

ARTH 2212	Survey of the Still and Moving Image	4 SH
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DIGITAL ART REQUIREMENTS

Complete 16 semester hours of electives from the following lists, including at least one basic elective with corresponding tools course:

Basic Electives

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH

Digital Art Electives

ARTD 3460	Photography 1	4 SH
ARTD 3470	Animation Studio 1	4 SH
ARTD 3480	Video 1	4 SH
ARTD 4560	Still Digital Imaging	4 SH
ARTD 4570	Animation Studio 2	4 SH
ARTD 4580	Video 2	4 SH
ARTD 4660	Studio Photography	4 SH
ARTD 4661	Alternative Photographic Processes	4 SH
ARTD 4670	Digital Art Degree Project	4 SH
ARTD 4680	Video 3	4 SH

GPA REQUIREMENT

3.000 GPA required in the minor

Minor in Graphic Design

Restricted to art majors and digital art majors.

REQUIRED COURSES

Complete the following three courses with corresponding tools course, as indicated:

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH
ARTG 2252	Graphic Design 1	4 SH
ARTH 2211	Art + Design History, 1945 to Present	4 SH

GRAPHIC DESIGN ELECTIVES

Complete two courses from the following list:

ARTG 3350	Typography 2	4 SH
ARTG 3351	Time-Based Design	4 SH
ARTG 3352	Interactive Design	4 SH

GPA REQUIREMENT

3.000 GPA required in the minor

CINEMA STUDIES

www.cinemastudies.neu.edu

INEZ HEDGES, PHD

*Professor, Languages, Literatures, and Cultures,
and Director, Cinema Studies Program*

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The cinema studies curriculum is formulated upon a systematic historical, critical, and practice-oriented approach to the study of cinema. Students in the combined major are exposed to film and video as art and become aware of the elements that comprise narrative film, such as editing, mise en scène, sound, and cinematography; explore different modes of cinematic narrative, in particular, the differences between Hollywood and art cinema; broaden their understanding of international cinema and become conscious of the characteristics of distinctive national cinemas, with an in-depth study of at least three different cinemas; and examine the productive interchange between film and the literary text. In many of the cinema studies offerings, students are encouraged to reflect upon the crucial role of film in the art movements of the twentieth century and to make connections between the classroom and practical experience in small-group discussions. A number of screenwriting and production courses offer students the opportunity to make practical applications of their analytical skills.

Students may enroll in the combined major in cinema studies in combination with the following other combined majors: communication studies; English; journalism; languages, literatures, and cultures; philosophy; and theatre.

Cooperative education placements (arranged through the student's other combined-major program) and internships demonstrate to students how the fundamental aspects of the cinema studies combined major—visual literacy, effective communication, collaborative teamwork, critical thinking, and analytical skills—are valuable in a variety of work settings. The cooperative education and/or internship experience assists cinema studies combined majors in assessing their short- and long-term goals in terms of undergraduate educational focus, graduate school

preparation, and career aspirations. It challenges students to understand their own values, ethics, and ideas in the context of the professions that they experience while on co-op/internship. Students' placements also serve to expose them to a variety of professional people who may serve as mentors in the present and future. The following types of organizations typically provide cinema studies combined majors with the best opportunities to develop research, writing, and visual communication skills, as well as analytical and critical skills relevant to their major(s): Web site development companies, documentary production companies, advertising agencies, Boston-based film units of commercial film productions, independent feature productions, WGBH, cable companies, film distributors, art houses, the Museum of Fine Arts film program, and area film festivals.

Students who choose the cinema studies minor are exposed to a range of aesthetic, historical, international, and sociological perspectives from which to approach the film and video medium. They may also learn to integrate these analytical approaches with practical experience in videography and the study of broadcast technology. The diverse course offerings and carefully structured program have enabled our graduates to do well in the ever-expanding world of video production, distribution, and marketing, as well as to pursue careers as film scholars and teachers.

Transferring to the Major

Students apply in the spring of their freshman year by making an appointment with the director of cinema studies.

Academic Progression Standards

All majors must maintain at least a 2.500 GPA in their overall program of studies and a minimum of 3.000 in the following two required courses:

CINE 2150	Film Analysis	4 SH
CINE 3500	Film Theory	4 SH

BA in Cinema Studies and Communication Studies

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR

Required Courses

Complete the following two courses:

CINE 2150	Film Analysis	4 SH
CINE 3500	Film Theory	4 SH

International Cinema

Complete three courses from the following list:

CINE 2340	Marxism, Film, and Revolution	4 SH
CINE 2350	History of Film	4 SH
CINE 2394	Modern Film	4 SH
CINE 2550	Australian Film	4 SH

CINE 2650	Screening the Holocaust	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH
CINE 3930	Topics in International Cinema	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH
HIST 1243	American Images of China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 3421	History through Film	4 SH
JWSS 3460	Jewish Film	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH

Integrative Film and Literature

Complete one course from the following list:

CINE 2256	Culture of the Body: Cinematic Representations	4 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH
ENGL 3391	Topics in Film	4 SH
ENGL 3488	Film and Text	4 SH
ENGL 3489	Shakespeare on Film	4 SH

Junior/Senior Seminar

Complete the following course:

CINE 4500	Modernism/Modernity and Film	4 SH
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Experiential Learning for Cinema

This requirement is satisfied by the junior/senior seminar, by study abroad, or by completing any courses from the following list (a total of 4 semester hours is required):

CINE 3446	Topics in Documentary Production	4 SH
CINE 4500	Modernism/Modernity and Film	4 SH
CINE 4650	Making the Short Film	4 SH
CINE 4851	Film Festivals: Exhibition and Distribution	4 SH
CINE 4994	Cinema Studies Internship	1 to 4 SH
CINE 4995	Cinema Studies Practicum	1 to 4 SH

Cinema Studies Electives

Complete three courses either from cinema studies or from the specific courses on the following list:

AFAM 1300	The African-American Experience through Short Fiction and Black Cinema	4 SH
ARTD 2370	Animation Basics	4 SH
ARTD 2380	Video Basics	4 SH
ARTD 3480	Video 1	4 SH
ARTH 2217	American Animation Film	4 SH

CINE 2520	Television Studio Production	4 SH	COMM 3425	Television: Text and Context	4 SH
or COMM 3650	Television Studio Production	4 SH	COMM 3426	Popular Music as Media Form	4 SH
CINE 2620	Television Field Production	4 SH	COMM 3451	Advertising Principles and Practices	4 SH
or COMM 3550	Television Field Production	4 SH	COMM 4610	Political Communication	4 SH
CLTR 1240	Latin American Film	4 SH	COMM 4622	New Media Culture	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH	COMM 4623	Theories of Media and Culture	4 SH
CLTR 1280	French Film and Culture	4 SH	COMM 4650	Digital Editing for TV	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH	COMM 4910	Special Topics in Public Advocacy and Rhetoric	4 SH
CLTR 2504	Modern German Film and Literature	4 SH	COMM 4914	Special Topics: Organizational Communication	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH	COMM 5210	Special Topics in Media Studies	3 SH
CLTR 4508	Cuban History through Film— International Study	4 SH			
ENGL 3391	Topics in Film	4 SH			
ENGL 3488	Film and Text	4 SH			
ENGL 3489	Shakespeare on Film	4 SH			
HIST 1243	American Images of China	4 SH			
HIST 2386	History of Soviet Cinema	4 SH			
HIST 3421	History through Film	4 SH			
INAM 4699	Advanced Television Production	4 SH			
JRNL 5309	Documentary Production	4 SH			
JWSS 3460	Jewish Film	4 SH			
MUSC 1113	Film Music	4 SH			
RELS 1250	Jesus in the Gospels, American Culture, and the Movies	4 SH			
RELS 1260	Apocalypticism in Film	4 SH			
RELS 3398	Religion and Culture in Indian Cinema	4 SH			
THTR 2345	Acting for the Camera	4 SH			

COMMUNICATION STUDIES REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR

Introductory Communications

Complete the following two courses:

COMM 1101	Introduction to Communication Studies	4 SH
COMM 1220	Media, Culture, and Society	4 SH

Production

Complete the following three courses:

COMM 2450	Audio Production	4 SH
COMM 3550	Television Field Production	4 SH
COMM 3650	Television Studio Production	4 SH

Communications Elective

Complete five courses from the following list:

COMM 2301	Methods and Research in Communication	4 SH
COMM 2302	Advertising and Promotional Culture	4 SH
COMM 2303	Global and Intercultural Communication	4 SH
COMM 2304	Communication and Gender	4 SH
COMM 2451	Sports Broadcasting	4 SH
COMM 2454	Broadcasting Management and Programming	4 SH
COMM 3422	Media Audiences	4 SH
COMM 3423	Twentieth-Century Media	4 SH

CINEMA STUDIES AND COMMUNICATION STUDIES COMBINED-MAJOR CREDIT REQUIREMENT

Complete 80 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Cinema Studies and English

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR

Required Courses

Complete the following two courses:

CINE 2150	Film Analysis	4 SH
CINE 3500	Film Theory	4 SH

International Cinema

Complete three courses from the following list:

CINE 2340	Marxism, Film, and Revolution	4 SH
CINE 2350	History of Film	4 SH
CINE 2394	Modern Film	4 SH
CINE 2550	Australian Film	4 SH
CINE 2650	Screening the Holocaust	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH
CINE 3930	Topics in International Cinema	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH

CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH	CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2504	Modern German Film and Literature	4 SH	CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH	CLTR 4508	Cuban History through Film— International Study	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH	ENGL 3391	Topics in Film	4 SH
HIST 1243	American Images of China	4 SH	ENGL 3488	Film and Text	4 SH
HIST 2386	History of Soviet Cinema	4 SH	ENGL 3489	Shakespeare on Film	4 SH
HIST 3421	History through Film	4 SH	HIST 1243	American Images of China	4 SH
JWSS 3460	Jewish Film	4 SH	HIST 2386	History of Soviet Cinema	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH	HIST 3421	History through Film	4 SH
<i>Integrative Film and Literature</i>			INAM 4699	Advanced Television Production	4 SH
Complete one course from the following list:			JRNL 5309	Documentary Production	4 SH
CINE 2256	Culture of the Body: Cinematic Representations	4 SH	JWSS 3460	Jewish Film	4 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH	MUSC 1113	Film Music	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH	RELS 1250	Jesus in the Gospels, American Culture, and the Movies	4 SH
ENGL 3391	Topics in Film	4 SH	RELS 1260	Apocalypticism in Film	4 SH
ENGL 3488	Film and Text	4 SH	RELS 3398	Religion and Culture in Indian Cinema	4 SH
ENGL 3489	Shakespeare on Film	4 SH	THTR 2345	Acting for the Camera	4 SH
<i>Junior/Senior Seminar</i>			ENGLISH REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR		
Complete the following course:			<i>Literature Backgrounds</i>		
CINE 4500	Modernism/Modernity and Film	4 SH	Complete the following course:		
<i>Experiential Learning for Cinema</i>			ENGL 2100	Backgrounds to English and American Literature	4 SH
This requirement is satisfied by the junior/senior seminar, by study abroad, or by completing any courses from the following list (a total of 4 semester hours is required):			<i>Literature Survey</i>		
CINE 3446	Topics in Documentary Production	4 SH	Complete any three of the following courses:		
CINE 4500	Modernism/Modernity and Film	4 SH	ENGL 1500	Survey of British Literature 1	4 SH
CINE 4650	Making the Short Film	4 SH	ENGL 1501	Survey of British Literature 2	4 SH
CINE 4851	Film Festivals: Exhibition and Distribution	4 SH	ENGL 1502	Survey of American Literature 1	4 SH
CINE 4994	Cinema Studies Internship	1 to 4 SH	ENGL 1503	Survey of American Literature 2	4 SH
CINE 4995	Cinema Studies Practicum	1 to 4 SH	<i>Shakespeare Course</i>		
<i>Cinema Studies Electives</i>			Complete one of the following courses:		
Complete three courses either from cinema studies or from the specific courses on the following list:			ENGL 1600	Introduction to Shakespeare	4 SH
AFAM 1300	The African-American Experience through Short Fiction and Black Cinema	4 SH	ENGL 3489	Shakespeare on Film	4 SH
ARTD 2370	Animation Basics	4 SH	ENGL 3612	Shakespeare's Comedies	4 SH
ARTD 2380	Video Basics	4 SH	ENGL 3613	Shakespeare's Tragedies	4 SH
ARTD 3480	Video 1	4 SH	ENGL 3614	Topics in Shakespeare	4 SH
ARTH 2217	American Animation Film	4 SH	<i>Period Courses</i>		
CINE 2520	Television Studio Production	4 SH	Complete two period courses from a minimum of two century groups:		
or COMM 3650	Television Studio Production	4 SH	ELEVENTH TO FIFTEENTH CENTURY		
CINE 2620	Television Field Production	4 SH	ENGL 4605	Medieval English Literature	4 SH
or COMM 3550	Television Field Production	4 SH	ENGL 4606	Topics in Medieval Literature	4 SH
CLTR 1240	Latin American Film	4 SH	SIXTEENTH CENTURY		
CLTR 1265	Spanish Civil War on Film	4 SH	ENGL 4609	Topics in Sixteenth-Century British Literature	4 SH
CLTR 1280	French Film and Culture	4 SH	ENGL 4610	Sixteenth-Century British Literature	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH			

SEVENTEENTH CENTURY					
ENGL 4616	Topics in Seventeenth-Century British Literature	4 SH	LING 3454	History of English	4 SH
			LING 3456	Language and Gender	4 SH
ENGL 4617	Seventeenth-Century British Literature	4 SH	LING 3458	Topics in Linguistics	4 SH
EIGHTEENTH CENTURY			RHETORIC		
ENGL 4619	Eighteenth-Century British Literature	4 SH	ENGL 1160	Introduction to Rhetoric	4 SH
ENGL 4620	Topics in Eighteenth-Century British Literature	4 SH	ENGL 3322	Topics in Rhetoric	4 SH
			ENGL 3325	Rhetoric of Law	4 SH
ENGL 4661	Early American Literature	4 SH	Junior/Senior Seminar		
NINETEENTH CENTURY			Complete the following course:		
ENGL 4519	American Novels 1	4 SH	ENGL 4710	Junior/Senior Seminar	4 SH
ENGL 4621	Romantic Poetry	4 SH	English Elective		
ENGL 4622	Topics in Romantic Literature	4 SH	Complete one English course other than ENGL 1165,		
ENGL 4624	Victorian Literature	4 SH	ENGL 1166,		
ENGL 4625	Topics in Victorian Literature	4 SH	or ENGL 1167.		
ENGL 4626	Nineteenth-Century British Fiction	4 SH	CINEMA STUDIES AND ENGLISH COMBINED-MAJOR CREDIT REQUIREMENT		
ENGL 4665	The American Renaissance	4 SH	Complete 80 semester hours in the major.		
ENGL 4667	American Realism	4 SH	GENERAL ELECTIVES		
TWENTIETH CENTURY			Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.		
CINE 2394	Modern Film	4 SH	COOPERATIVE EDUCATION		
ENGL 3408	The Modern Bestseller	4 SH	If elected		
ENGL 3671	Multiethnic Literatures of the U.S.	4 SH	UNIVERSITY-WIDE REQUIREMENTS		
ENGL 3672	Asian-American Literature	4 SH	128 total semester hours required		
ENGL 3673	U.S. Latino/Latina Literature	4 SH	Minimum 2.000 GPA required		
ENGL 3674	American Indian Literature	4 SH	BA in Cinema Studies and Journalism		
ENGL 4520	American Novels 2	4 SH	NU CORE REQUIREMENTS		
ENGL 4630	Major Twentieth-Century British Novelists	4 SH	See page 30 for requirement list.		
ENGL 4631	Twentieth-Century British Literature	4 SH	REQUIREMENTS FOR BA		
ENGL 4668	Modern American Literature	4 SH	See page 31 for requirement list.		
ENGL 4670	Modern African-American Literature	4 SH	CINEMA REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR		
ENGL 4671	The Modern Short Story	4 SH	Required Courses		
ENGL 4672	The Modern Novel	4 SH	Complete the following two courses:		
ENGL 4673	Modern Drama	4 SH	CINE 2150	Film Analysis	4 SH
ENGL 4674	Modern Poetry	4 SH	CINE 3500	Film Theory	4 SH
ENGL 4676	Contemporary American Literature	4 SH	International Cinema		
ENGL 4678	Contemporary Poetry	4 SH	Complete three courses from the following list:		
ENGL 4679	Contemporary Fiction	4 SH	CINE 2340	Marxism, Film, and Revolution	4 SH
ENGL 4683	Postcolonial Literature	4 SH	CINE 2350	History of Film	4 SH
Literary Criticism, Linguistics, or Rhetoric			CINE 2394	Modern Film	4 SH
Complete one course from the following list:			CINE 2550	Australian Film	4 SH
CRITICISM			CINE 2650	Screening the Holocaust	4 SH
ENGL 3337	Literary Theory	4 SH	CINE 3450	Israeli and Palestinian Film	4 SH
ENGL 3339	Topics in Literary Criticism	4 SH	CINE 3930	Topics in International Cinema	4 SH
LINGUISTICS			CLTR 1240	Latin American Film	4 SH
LING 1150	Introduction to Language and Linguistics	4 SH	CLTR 1260	Japanese Film	4 SH
LING 2350	Linguistic Analysis	4 SH	CLTR 1265	Spanish Civil War on Film	4 SH
LING 3450	Syntax	4 SH			
LING 3452	Semantics	4 SH			

CLTR 1280	French Film and Culture	4 SH	CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH	CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH	CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2504	Modern German Film and Literature	4 SH	CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH	CLTR 4508	Cuban History through Film— International Study	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH	ENGL 3391	Topics in Film	4 SH
HIST 1243	American Images of China	4 SH	ENGL 3488	Film and Text	4 SH
HIST 2386	History of Soviet Cinema	4 SH	ENGL 3489	Shakespeare on Film	4 SH
HIST 3421	History through Film	4 SH	HIST 1243	American Images of China	4 SH
JWSS 3460	Jewish Film	4 SH	HIST 2386	History of Soviet Cinema	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH	HIST 3421	History through Film	4 SH
<i>Integrative Film and Literature</i>			INAM 4699	Advanced Television Production	4 SH
Complete one course from the following list:			JRNL 5309	Documentary Production	4 SH
CINE 2256	Culture of the Body: Cinematic Representations	4 SH	JWSS 3460	Jewish Film	4 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH	MUSC 1113	Film Music	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH	RELS 1250	Jesus in the Gospels, American Culture, and the Movies	4 SH
ENGL 3391	Topics in Film	4 SH	RELS 1260	Apocalypticism in Film	4 SH
ENGL 3488	Film and Text	4 SH	RELS 3398	Religion and Culture in Indian Cinema	4 SH
ENGL 3489	Shakespeare on Film	4 SH	THTR 2345	Acting for the Camera	4 SH
<i>Junior/Senior Seminar</i>			JOURNALISM REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR		
Complete the following course:			<i>Journalism Foundations</i>		
CINE 4500	Modernism/Modernity and Film	4 SH	Complete the following three courses:		
<i>Experiential Learning for Cinema</i>			JRNL 1101	Journalism 1	4 SH
This requirement is satisfied by the junior/senior seminar, by study abroad, or by completing any courses from the following list (a total of 4 semester hours is required):			JRNL 1150	Interpreting the Day's News	4 SH
CINE 3446	Topics in Documentary Production	4 SH	JRNL 2201	Journalism 2	4 SH
CINE 4500	Modernism/Modernity and Film	4 SH	<i>Journalism Advanced Writing</i>		
CINE 4650	Making the Short Film	4 SH	Complete the following course:		
CINE 4851	Film Festivals: Exhibition and Distribution	4 SH	JRNL 2301	Journalism 3	4 SH
CINE 4994	Cinema Studies Internship	1 to 4 SH	<i>Television News</i>		
CINE 4995	Cinema Studies Practicum	1 to 4 SH	Complete the following two courses:		
<i>Cinema Studies Electives</i>			JRNL 5307	Video Newswriting	4 SH
Complete three courses either from cinema studies or from the specific courses on the following list:			JRNL 5314	Video News Production 1	4 SH
AFAM 1300	The African-American Experience through Short Fiction and Black Cinema	4 SH	<i>Documentary Production</i>		
ARTD 2370	Animation Basics	4 SH	Complete the following course:		
ARTD 2380	Video Basics	4 SH	JRNL 5309	Documentary Production	4 SH
ARTD 3480	Video 1	4 SH	<i>Ethics and Issues</i>		
ARTH 2217	American Animation Film	4 SH	Complete the following course:		
CINE 2520	Television Studio Production	4 SH	JRNL 4650	Journalism Ethics and Issues	4 SH
or COMM 3650	Television Studio Production	4 SH	<i>Journalism Elective</i>		
CINE 2620	Television Field Production	4 SH	Complete one course from the School of Journalism.		
or COMM 3550	Television Field Production	4 SH	CINEMA STUDIES AND JOURNALISM COMBINED-MAJOR CREDIT REQUIREMENT		
CLTR 1240	Latin American Film	4 SH	Complete 76 semester hours in the major.		
CLTR 1265	Spanish Civil War on Film	4 SH	GENERAL ELECTIVES		
			Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.		

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Cinema Studies and Languages, Literatures, and Cultures**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR**Required Courses**

Complete the following two courses:

CINE 2150	Film Analysis	4 SH
CINE 3500	Film Theory	4 SH

International Cinema

Complete three courses from the following list:

CINE 2340	Marxism, Film, and Revolution	4 SH
CINE 2350	History of Film	4 SH
CINE 2394	Modern Film	4 SH
CINE 2550	Australian Film	4 SH
CINE 2650	Screening the Holocaust	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH
CINE 3930	Topics in International Cinema	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH
HIST 2243	American Images of China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 3421	History through Film	4 SH
JWSS 3460	Jewish Film	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH

Integrative Film and Literature

Complete one course from the following list:

CINE 2256	Culture of the Body: Cinematic Representations	4 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH
ENGL 3391	Topics in Film	4 SH

ENGL 3488	Film and Text	4 SH
ENGL 3489	Shakespeare on Film	4 SH

Junior/Senior Seminar

Complete the following course:

CINE 4500	Modernism/Modernity and Film	4 SH
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Experiential Learning for Cinema

This requirement is satisfied by the junior/senior seminar, by study abroad, or by completing any courses from the following list (a total of 4 semester hours is required):

CINE 3446	Topics in Documentary Production	4 SH
CINE 4500	Modernism/Modernity and Film	4 SH
CINE 4650	Making the Short Film	4 SH
CINE 4851	Film Festivals: Exhibition and Distribution	4 SH
CINE 4994	Cinema Studies Internship	1 to 4 SH
CINE 4995	Cinema Studies Practicum	1 to 4 SH

Cinema Studies Electives

Complete three courses either from cinema studies or from the specific courses on the following list:

AFAM 1300	The African-American Experience through Short Fiction and Black Cinema	4 SH
ARTD 2370	Animation Basics	4 SH
ARTD 2380	Video Basics	4 SH
ARTD 3480	Video 1	4 SH
ARTH 2217	American Animation Film	4 SH
CINE 2520	Television Studio Production	4 SH
or COMM 3650	Television Studio Production	4 SH
CINE 2620	Television Field Production	4 SH
or COMM 3550	Television Field Production	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH
ENGL 3391	Topics in Film	4 SH
ENGL 3488	Film and Text	4 SH
ENGL 3489	Shakespeare on Film	4 SH
HIST 2243	American Images of China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 3421	History through Film	4 SH
INAM 4699	Advanced Television Production	4 SH
JRNL 5309	Documentary Production	4 SH
JWSS 3460	Jewish Film	4 SH
MUSC 1113	Film Music	4 SH
RELS 1250	Jesus in the Gospels, American Culture, and the Movies	4 SH
RELS 1260	Apocalypticism in Film	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
THTR 2345	Acting for the Camera	4 SH

LANGUAGE REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR

Complete either the French option or the Spanish option.

French Option**LANGUAGE REQUIREMENTS**

Complete the following three courses:

FRNH 2101	Intermediate French 1	4 SH
FRNH 2102	Intermediate French 2	4 SH
FRNH 3101	Advanced French 1	4 SH

CULTURE

Complete the following course:

CLTR 1120	Introduction to Languages, Literature, and Culture	4 SH
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LITERATURE

Complete one of the following literature courses:

LITR 4550	From Knights to Revolution: French Literature 1	4 SH
LITR 4551	From Reverie to Reality: French Literature 2	4 SH

ADVANCED LANGUAGE

Complete 4 semester hours of course work from the following list:

FRNH 4201	Advanced Proficiency French 1—BSIB	4 SH
FRNH 4202	Advanced Proficiency French 2—BSIB	4 SH
LANG 3438	Structure of French	4 SH
LANG 4670	Topics in French	4 SH
LITR 4550	From Knights to Revolution: French Literature 1	4 SH
LITR 4551	From Reverie to Reality: French Literature 2	4 SH
LITR 4555	French Poetry	4 SH
LITR 4850	The Splendid Century	4 SH
LITR 4860	Age of Enlightenment	4 SH
LITR 4870	Romantic Heritage	4 SH

STUDY ABROAD

Complete four courses in your major while on study abroad.

EXPERIENTIAL LEARNING

The experiential learning requirement is satisfied by study abroad.

Spanish Option**LANGUAGE REQUIREMENTS**

Complete the following three courses:

SPNS 2101	Intermediate Spanish 1	4 SH
SPNS 2102	Intermediate Spanish 2	4 SH
SPNS 3101	Advanced Spanish 1	4 SH

CULTURE

Complete the following course:

CLTR 1120	Introduction to Languages, Literature, and Culture	4 SH
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LITERATURE

Complete one of the following literature courses:

LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH

ADVANCED LANGUAGE

Complete 4 semester hours of course work from the following list:

LING 3436	Structure of Spanish	4 SH
LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
LITR 4565	Spanish Golden Age	4 SH
LITR 4655	Latin American Literature	4 SH
SPNS 4201	Advanced Proficiency Spanish 1—BSIB	4 SH
SPNS 4202	Advanced Proficiency Spanish 2—BSIB	4 SH

STUDY ABROAD

Complete four courses in your major while on study abroad.

EXPERIENTIAL LEARNING

The experiential learning requirement is satisfied by study abroad.

CINEMA STUDIES AND LANGUAGES, LITERATURES, AND CULTURES COMBINED-MAJOR CREDIT REQUIREMENT

Complete 80 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Cinema Studies and Philosophy**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR**Required Courses**

Complete the following two courses:

CINE 2150	Film Analysis	4 SH
CINE 3500	Film Theory	4 SH

International Cinema

Complete three courses from the following list:

CINE 2340	Marxism, Film, and Revolution	4 SH
CINE 2350	History of Film	4 SH
CINE 2394	Modern Film	4 SH
CINE 2550	Australian Film	4 SH
CINE 2650	Screening the Holocaust	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH
CINE 3930	Topics in International Cinema	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH
HIST 1243	American Images of China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 3421	History through Film	4 SH
JWSS 3460	Jewish Film	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH

Integrative Film and Literature

Complete one course from the following list:

CINE 2256	Culture of the Body: Cinematic Representations	4 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH
ENGL 3391	Topics in Film	4 SH
ENGL 3488	Film and Text	4 SH
ENGL 3489	Shakespeare on Film	4 SH

Junior/Senior Seminar

Complete the following course:

CINE 4500	Modernism/Modernity and Film	4 SH
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Experiential Learning for Cinema

This requirement is satisfied by the junior/senior seminar, by study abroad, or by completing any courses from the following list (a total of 4 semester hours is required):

CINE 3446	Topics in Documentary Production	4 SH
CINE 4500	Modernism/Modernity and Film	4 SH
CINE 4650	Making the Short Film	4 SH
CINE 4851	Film Festivals: Exhibition and Distribution	4 SH
CINE 4994	Cinema Studies Internship	1 to 4 SH
CINE 4995	Cinema Studies Practicum	1 to 4 SH

Cinema Studies Electives

Complete three courses either from cinema studies or from the specific courses on the following list:

AFAM 1300	The African-American Experience through Short Fiction and Black Cinema	4 SH
ARTD 2370	Animation Basics	4 SH
ARTD 2380	Video Basics	4 SH
ARTD 3480	Video 1	4 SH
ARTH 2217	American Animation Film	4 SH
CINE 2520	Television Studio Production	4 SH
or COMM 3650	Television Studio Production	4 SH
CINE 2620	Television Field Production	4 SH
or COMM 3550	Television Field Production	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH
ENGL 3391	Topics in Film	4 SH
ENGL 3488	Film and Text	4 SH
ENGL 3489	Shakespeare on Film	4 SH
HIST 1243	American Images of China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 3421	History through Film	4 SH
INAM 4699	Advanced Television Production	4 SH
JRNL 5309	Documentary Production	4 SH
JWSS 3460	Jewish Film	4 SH
MUSC 1113	Film Music	4 SH
RELS 1250	Jesus in the Gospels, American Culture, and the Movies	4 SH
RELS 1260	Apocalypticism in Film	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
THTR 2345	Acting for the Camera	4 SH

PHILOSOPHY REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR**Required Courses**

Complete the following three courses:

PHIL 1115	Introduction to Logic	4 SH
or PHIL 1215	Symbolic Logic	4 SH
PHIL 2325	Ancient Philosophy	4 SH
PHIL 2330	Modern Philosophy	4 SH

Intermediate/Advanced Electives

Complete one course from the following list:

PHIL 3435	Moral Philosophy	4 SH
PHIL 4500	Theory of Knowledge	4 SH
PHIL 4505	Metaphysics	4 SH
PHIL 4535	Philosophy of Mind	4 SH

Philosophy Topics Electives

Complete one course from the following list:

PHIL 4901	Topics in Philosophy Seminar	4 SH
PHIL 4902	Great Philosophers Seminar	4 SH
RELS 4903	Seminar in Religion	4 SH

Philosophy Electives

Complete four courses from the philosophy department.

CINEMA STUDIES AND PHILOSOPHY COMBINED-MAJOR CREDIT REQUIREMENT

Complete 76 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in Cinema Studies and Theatre**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR**Required Courses**

Complete the following two courses:

CINE 2150	Film Analysis	4 SH
CINE 3500	Film Theory	4 SH

International Cinema

Complete three courses from the following list:

CINE 2340	Marxism, Film, and Revolution	4 SH
CINE 2350	History of Film	4 SH
CINE 2394	Modern Film	4 SH
CINE 2550	Australian Film	4 SH
CINE 2650	Screening the Holocaust	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH
CINE 3930	Topics in International Cinema	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH

HIST 1243	American Images of China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 3421	History through Film	4 SH
JWSS 3460	Jewish Film	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH

Integrative Film and Literature

Complete one course from the following list:

CINE 2256	Culture of the Body: Cinematic Representations	4 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH
ENGL 3391	Topics in Film	4 SH
ENGL 3488	Film and Text	4 SH
ENGL 3489	Shakespeare on Film	4 SH

Junior/Senior Seminar

Complete the following course:

CINE 4500	Modernism/Modernity and Film	4 SH
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Experiential Learning for Cinema

This requirement is satisfied by the junior/senior seminar, by study abroad, or by completing any courses from the following list (a total of 4 semester hours is required):

CINE 3446	Topics in Documentary Production	4 SH
CINE 4500	Modernism/Modernity and Film	4 SH
CINE 4650	Making the Short Film	4 SH
CINE 4851	Film Festivals: Exhibition and Distribution	4 SH
CINE 4994	Cinema Studies Internship	1 to 4 SH
CINE 4995	Cinema Studies Practicum	1 to 4 SH

Cinema Studies Electives

Complete three courses either from cinema studies or from the specific courses on the following list:

AFAM 1300	The African-American Experience through Short Fiction and Black Cinema	4 SH
ARTD 2370	Animation Basics	4 SH
ARTD 2380	Video Basics	4 SH
ARTD 3480	Video 1	4 SH
ARTH 2217	American Animation Film	4 SH
CINE 2520	Television Studio Production	4 SH
or COMM 3650	Television Studio Production	4 SH
CINE 2620	Television Field Production	4 SH
or COMM 3550	Television Field Production	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH
ENGL 3391	Topics in Film	4 SH

ENGL 3488	Film and Text	4 SH
ENGL 3489	Shakespeare on Film	4 SH
HIST 1243	American Images of China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 3421	History through Film	4 SH
INAM 4699	Advanced Television Production	4 SH
JRNL 5309	Documentary Production	4 SH
JWSS 3460	Jewish Film	4 SH
MUSC 1113	Film Music	4 SH
RELS 1250	Jesus in the Gospels, American Culture, and the Movies	4 SH
RELS 1260	Apocalypticism in Film	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
THTR 2345	Acting for the Camera	4 SH

THEATRE REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR

A minimum grade of C is required for all theatre courses.

Theatre Introduction

Complete the following three courses:

THTR 1101	Art of the Theatre	4 SH
THTR 1120	Acting 1	4 SH
THTR 1131	Technical Theatre 1	4 SH

History and Theory

Complete the following two courses:

THTR 2300	Theatre History	4 SH
THTR 3500	Dramatic Theory/Criticism	4 SH

Onstage

Complete the following three courses:

THTR 2325	Script Analysis for the Stage	4 SH
THTR 2342	Acting 2	4 SH
THTR 3550	Concepts of Directing	4 SH

Backstage

Complete the following course:

THTR 1270	Theatrical Design	4 SH
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Practicum/Experiential Learning

Complete the theatre practicum three times (course is repeatable), and complete the theatre capstone.

PRACTICUM		
THTR 4804	Theatre Practicum	1 SH
CAPSTONE		
THTR 4701	Rehearsal and Performance	4 SH

CINEMA STUDIES AND THEATRE COMBINED-MAJOR CREDIT REQUIREMENT

Complete 83 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BS in Cinema Studies and Theatre

NU CORE REQUIREMENTS

See page 30 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES COMBINED MAJOR

Required Courses

Complete the following two courses:

CINE 2150	Film Analysis	4 SH
CINE 3500	Film Theory	4 SH

International Cinema

Complete three courses from the following list:

CINE 2340	Marxism, Film, and Revolution	4 SH
CINE 2350	History of Film	4 SH
CINE 2394	Modern Film	4 SH
CINE 2550	Australian Film	4 SH
CINE 2650	Screening the Holocaust	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH
CINE 3930	Topics in International Cinema	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 4508	Cuban History through Film— International Study	4 SH
HIST 1243	American Images of China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 3421	History through Film	4 SH
JWSS 3460	Jewish Film	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH

Integrative Film and Literature

Complete one course from the following list:

CINE 2256	Culture of the Body: Cinematic Representations	4 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH
ENGL 3391	Topics in Film	4 SH
ENGL 3488	Film and Text	4 SH
ENGL 3489	Shakespeare on Film	4 SH

Junior/Senior Seminar

Complete the following course:

CINE 4500 Modernism/Modernity and Film 4 SH

Experiential Learning for Cinema

This requirement is satisfied by the junior/senior seminar, by study abroad, or by completing any courses from the following list (a total of 4 semester hours is required):

CINE 3446 Topics in Documentary Production 4 SH

CINE 4500 Modernism/Modernity and Film 4 SH

CINE 4650 Making the Short Film 4 SH

CINE 4851 Film Festivals: Exhibition and 4 SH

Distribution

CINE 4994 Cinema Studies Internship 1 to 4 SH

CINE 4995 Cinema Studies Practicum 1 to 4 SH

Cinema Studies Electives

Complete three courses either from cinema studies or from the specific courses on the following list:

AFAM 1300 The African-American Experience 4 SH
through Short Fiction and Black
Cinema

ARTD 2370 Animation Basics 4 SH

ARTD 2380 Video Basics 4 SH

ARTD 3480 Video 1 4 SH

ARTH 2217 American Animation Film 4 SH

CINE 2520 Television Studio Production 4 SH

or COMM 3650 Television Studio Production 4 SH

CINE 2620 Television Field Production 4 SH

or COMM 3550 Television Field Production 4 SH

CLTR 1240 Latin American Film 4 SH

CLTR 1265 Spanish Civil War on Film 4 SH

CLTR 1280 French Film and Culture 4 SH

CLTR 1290 Realism and Modernism in Italian
Film 4 SH

CLTR 2504 Modern German Film and Literature 4 SH

CLTR 2505 Berlin in German Film and Culture 4 SH

CLTR 4508 Cuban History through Film—
International Study 4 SH

ENGL 3391 Topics in Film 4 SH

ENGL 3488 Film and Text 4 SH

ENGL 3489 Shakespeare on Film 4 SH

HIST 1243 American Images of China 4 SH

HIST 2386 History of Soviet Cinema 4 SH

HIST 3421 History through Film 4 SH

INAM 4699 Advanced Television Production 4 SH

JRNL 5309 Documentary Production 4 SH

JWSS 3460 Jewish Film 4 SH

MUSC 1113 Film Music 4 SH

RELS 1250 Jesus in the Gospels, American
Culture, and the Movies 4 SH

RELS 1260 Apocalypticism in Film 4 SH

RELS 3398 Religion and Culture in Indian Cinema 4 SH

THTR 2345 Acting for the Camera 4 SH

**THEATRE REQUIREMENTS FOR CINEMA STUDIES
COMBINED MAJOR**

A minimum grade of C is required for all theatre courses.

Theatre Introduction

Complete the following three courses:

THTR 1101 Art of the Theatre 4 SH

THTR 1120 Acting 1 4 SH

THTR 1131 Technical Theatre 1 4 SH

History and Theory

Complete the following two courses:

THTR 2300 Theatre History 4 SH

THTR 3500 Dramatic Theory/Criticism 4 SH

Onstage

Complete the following three courses:

THTR 2325 Script Analysis for the Stage 4 SH

THTR 2342 Acting 2 4 SH

THTR 3550 Concepts of Directing 4 SH

Backstage

Complete the following course:

THTR 1270 Theatrical Design 4 SH

Practicum/Experiential Learning

Complete the theatre practicum three times (course is repeatable), and complete the theatre capstone.

PRACTICUM

THTR 4804 Theatre Practicum 1 SH

CAPSTONE

THTR 4701 Rehearsal and Performance 4 SH

**CINEMA STUDIES AND THEATRE COMBINED-
MAJOR CREDIT REQUIREMENT**

Complete 83 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

Minor in Cinema Studies

REQUIRED COURSES

Complete the following two courses:

CINE 1200	Exploring the Humanities through Film	4 SH
or CINE 2150	Film Analysis	4 SH
CINE 3500	Film Theory	4 SH

ELECTIVE COURSES

Complete three additional cinema studies courses or related courses from the following list if not taken to satisfy major requirements:

AFAM 1300	The African-American Experience through Short Fiction and Black Cinema	4 SH
ARTD 2370	Animation Basics	4 SH
ARTD 2380	Video Basics	4 SH
ARTD 3480	Video 1	4 SH
ARTH 2217	American Animation Film	4 SH
CINE 2520	Television Studio Production	4 SH
or COMM 3650	Television Studio Production	4 SH
CINE 2620	Television Field Production	4 SH
or COMM 3550	Television Field Production	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
CLTR 2505	Berlin in German Film and Culture	4 SH
CLTR 4508	Cuban History through Film—International Study	4 SH
ENGL 3391	Topics in Film	4 SH
ENGL 3488	Film and Text	4 SH
ENGL 3489	Shakespeare on Film	4 SH
HIST 1243	American Images of China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 3421	History through Film	4 SH
INAM 4699	Advanced Television Production	4 SH
JRNL 5309	Documentary Production	4 SH
JWSS 3460	Jewish Film	4 SH
MUSC 1113	Film Music	4 SH
RELS 1250	Jesus in the Gospels, American Culture, and the Movies	4 SH
RELS 1260	Apocalypticism in Film	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
THTR 2345	Acting for the Camera	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

COMMUNICATION STUDIES

www.commstudies.neu.edu

THOMAS K. NAKAYAMA, PHD
Professor and Chair

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Phone: 617.373.5517

Fax: 617.373.8533

E-mail contact: Angela Chin, *Administrative Assistant*,
commstudies@neu.edu

The Department of Communication Studies is dedicated to providing a liberal arts education where critical skills, concepts, and thinking are developed in conjunction with practice and application. Through a study of processes, patterns, and media of communication, the major in communication studies from Northeastern University aims to provide an enriching background for our students, providing them with an opportunity to contribute significantly to the communication sector, whether that contribution is within organizations, in the public sphere, or in the media industries themselves. Through its students and faculty, communication studies at Northeastern is a program dedicated to critical innovation. It strives to integrate new research into teaching and pedagogy to ensure students are connected to new developments in the field of communication.

Transferring to the Major

Students wishing to transfer to the major must have a cumulative GPA of 3.000 overall and must have completed:

COMM 1101	Introduction to Communication Studies	4 SH
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and one of the following courses:

COMM 1112	Public Speaking (no prerequisite)	4 SH
COMM 1220	Media, Culture, and Society (prerequisite COMM 1101)	4 SH
COMM 1231	Principles of Organizational Communication (prerequisite COMM 1101)	4 SH

with grades of B or higher. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs. Requests to transfer into the major should be submitted to the communication studies department office by October 1, February 1, or July 1.

Academic Progression Standards

Departmental probation will result from a cumulative GPA below 2.750 in communication courses. No more than two grades below a C in communication studies courses can be used to fulfill degree requirements. Dismissal from the major may occur as a result of two consecutive semesters on departmental probation.

BA in Communication Studies**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

COMMUNICATION STUDIES MAJOR REQUIREMENTS**Introduction to College**

Complete the following course:

COMM 1000	Communication Studies at Northeastern	1 SH
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Communication Studies Core Requirements

Complete the following four courses:

COMM 1101	Introduction to Communication Studies	4 SH
COMM 1112	Public Speaking	4 SH
COMM 1220	Media, Culture, and Society	4 SH
COMM 1231	Principles of Organizational Communication	4 SH

COMMUNICATION STUDIES CONCENTRATION/ELECTIVES

Complete the concentration in public advocacy and rhetoric, the concentration in media studies, the concentration in organizational communication, or the electives for nonconcentrators.

Concentration in Public Advocacy and Rhetoric**REQUIRED COURSE**

Complete one of the following courses:

COMM 1210	Persuasion and Rhetoric	4 SH
COMM 2310	Classical Rhetorical Theory	4 SH

PUBLIC ADVOCACY AND RHETORIC ELECTIVES

Complete four courses from the following list:

COMM 1210	Persuasion and Rhetoric	4 SH
or COMM 2310	Classical Rhetorical Theory	4 SH
COMM 2302	Advertising and Promotional Culture	4 SH
COMM 2331	Legal Argumentation, Advocacy, and Citizenship	4 SH
COMM 2402	Presentation, Style, and Professional Communication	4 SH
COMM 2412	Social Movement Communication	4 SH
COMM 3306	International Communication Abroad	4 SH
COMM 3331	Argumentation and Debate	4 SH
COMM 3425	Television: Text and Context	4 SH
COMM 3451	Advertising Principles and Practices	4 SH
COMM 3501	Free Speech: Law and Practice	4 SH
COMM 4602	Contemporary Rhetorical Theory	4 SH
COMM 4603	Advocacy Workshop	4 SH
COMM 4610	Political Communication	4 SH
COMM 4631	Crisis Communication and Image Management	4 SH
COMM 4910	Special Topics in Public Advocacy and Rhetoric	4 SH

Concentration in Media Studies**REQUIRED COURSE**

Complete the following course:

COMM 4623	Theories of Media and Culture	4 SH
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MEDIA STUDIES ELECTIVES

Complete four courses from the following list:

COMM 2301	Methods and Research in Communication	4 SH
COMM 2302	Advertising and Promotional Culture	4 SH
COMM 2303	Global and Intercultural Communication	4 SH
COMM 2304	Communication and Gender	4 SH
COMM 2323	Television and Society	4 SH
COMM 2325	Global Media	4 SH
COMM 2451	Sports Broadcasting	4 SH
COMM 2454	Broadcasting Management and Programming	4 SH
COMM 3422	Media Audiences	4 SH
COMM 3423	Twentieth-Century Media	4 SH
COMM 3425	Television: Text and Context	4 SH
COMM 3426	Popular Music as Media Form	4 SH
COMM 3435	Political Economy of Media and Communication Policy	4 SH
COMM 3436	Media and Democracy	4 SH
COMM 3437	Media and Identity	4 SH
COMM 3451	Advertising Principles and Practices	4 SH
COMM 4622	New Media Culture	4 SH

Concentration in Organizational Communication**REQUIRED COURSES**

Complete the following two courses:

COMM 2531	Application of Organizational Communication	4 SH
COMM 4533	Consultation Skills	4 SH
or COMM 4534	Organizational Communication Training and Development	4 SH

ORGANIZATIONAL COMMUNICATION ELECTIVES

Complete three courses from the following list:

COMM 3201	Health Communication	4 SH
COMM 3230	Interpersonal Communication	4 SH
COMM 3532	Theories of Conflict and Negotiation	4 SH
COMM 4530	Communication and Quality of Life	4 SH
COMM 4535	Nonverbal Social Interaction	4 SH
COMM 4630	Assessment Technique and Planning	4 SH
COMM 4631	Crisis Communication and Image Management	4 SH

Electives for Nonconcentrators**UPPER-LEVEL COMMUNICATION STUDIES ELECTIVES**

Complete five courses in the following range:

COMM 3000 to COMM 4999

Note: The following courses may not be used: COMM 3550, COMM 3650, COMM 4650, and COMM 4750.

COMMUNICATION STUDIES MAJOR ELECTIVES**Electives**

Complete four communication studies courses not used toward your major or concentration above. *Note:* The following courses may not be used: COMM 2450, COMM 3550, COMM 3650, COMM 4650, and COMM 4750.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

COMMUNICATION STUDIES MAJOR CREDIT REQUIREMENT

Complete 52 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in Cinema Studies and Communication Studies

See page 60.

BA in Communication Studies/MA in Communication, Media, and Cultural Studies**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

COMMUNICATION STUDIES MAJOR REQUIREMENTS**Introduction to College**

Complete the following course:

COMM 1000	Communication Studies at Northeastern	1 SH
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Communication Studies Core Requirements

Complete the following four courses:

COMM 1101	Introduction to Communication Studies	4 SH
COMM 1112	Public Speaking	4 SH
COMM 1220	Media, Culture, and Society	4 SH
COMM 1231	Principles of Organizational Communication	4 SH

COMMUNICATION STUDIES CONCENTRATION/ELECTIVES

Complete the concentration in public advocacy and rhetoric, the concentration in media studies, the concentration in organizational communication, or the electives for nonconcentrators.

Concentration in Public Advocacy and Rhetoric**REQUIRED COURSE**

Complete one of the following courses:

COMM 1210	Persuasion and Rhetoric	4 SH
COMM 2310	Classical Rhetorical Theory	4 SH

PUBLIC ADVOCACY AND RHETORIC ELECTIVES

Complete four courses from the following list:

COMM 1210	Persuasion and Rhetoric	4 SH
or COMM 2310	Classical Rhetorical Theory	4 SH
COMM 2302	Advertising and Promotional Culture	4 SH
COMM 2331	Legal Argumentation, Advocacy, and Citizenship	4 SH
COMM 2402	Presentation, Style, and Professional Communication	4 SH
COMM 2412	Social Movement Communication	4 SH
COMM 3306	International Communication Abroad	4 SH
COMM 3331	Argumentation and Debate	4 SH
COMM 3425	Television: Text and Context	4 SH
COMM 3451	Advertising Principles and Practices	4 SH
COMM 3501	Free Speech: Law and Practice	4 SH
COMM 4602	Contemporary Rhetorical Theory	4 SH
COMM 4603	Advocacy Workshop	4 SH
COMM 4610	Political Communication	4 SH
COMM 4631	Crisis Communication and Image Management	4 SH
COMM 4910	Special Topics in Public Advocacy and Rhetoric	4 SH

Concentration in Media Studies**REQUIRED COURSE**

Complete the following course:

COMM 4623	Theories of Media and Culture	4 SH
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Media Studies Electives

Complete four courses from the following list:

COMM 2301	Methods and Research in Communication	4 SH
COMM 2302	Advertising and Promotional Culture	4 SH
COMM 2303	Global and Intercultural Communication	4 SH
COMM 2304	Communication and Gender	4 SH
COMM 2323	Television and Society	4 SH
COMM 2325	Global Media	4 SH
COMM 2451	Sports Broadcasting	4 SH
COMM 2454	Broadcasting Management and Programming	4 SH
COMM 3422	Media Audiences	4 SH
COMM 3423	Twentieth-Century Media	4 SH
COMM 3425	Television: Text and Context	4 SH
COMM 3426	Popular Music as Media Form	4 SH

COMM 3435	Political Economy of Media and Communication Policy	4 SH
COMM 3436	Media and Democracy	4 SH
COMM 3437	Media and Identity	4 SH
COMM 3451	Advertising Principles and Practices	4 SH
COMM 4622	New Media Culture	4 SH

Concentration in Organizational Communication**REQUIRED COURSES**

Complete the following two courses:

COMM 2531	Application of Organizational Communication	4 SH
COMM 4533	Consultation Skills	4 SH
or COMM 4534	Organizational Communication Training and Development	4 SH

Organizational Communication Electives

Complete three courses from the following list:

COMM 3201	Health Communication	4 SH
COMM 3230	Interpersonal Communication	4 SH
COMM 3532	Theories of Conflict and Negotiation	4 SH
COMM 4530	Communication and Quality of Life	4 SH
COMM 4535	Nonverbal Social Interaction	4 SH
COMM 4630	Assessment Technique and Planning	4 SH
COMM 4631	Crisis Communication and Image Management	4 SH

Electives for Nonconcentrators**UPPER-LEVEL COMMUNICATION STUDIES ELECTIVES**

Complete five courses in the following range:

COMM 3000 to COMM 4999

Note: The following courses may not be used: COMM 3550, COMM 3650, COMM 4650, and COMM 4750.

COMMUNICATION STUDIES MAJOR ELECTIVES

Complete four courses from any concentration or from the following list:

COMM 4910	Special Topics in Public Advocacy and Rhetoric	4 SH
COMM 4914	Special Topics: Organizational Communication	4 SH
COMM 4916	Organizational Communication Practicum	4 SH
COMM 4992	Directed Study	4 SH
COMM 4994	Internship in Communication	4 SH
COMM 5210	Special Topics in Media Studies	3 SH

ADVANCED UNDERGRADUATE COURSES

Complete the following course:

COMM 4901	Seminar in Communications	4 SH
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and complete one additional course from the following list:

COMM 4610	Political Communication	4 SH
COMM 4622	New Media Culture	4 SH
COMM 4910	Special Topics in Public Advocacy and Rhetoric	4 SH

COMM 4992	Directed Study	4 SH
COMM 5210	Special Topics in Media Studies	3 SH
INAM 4699	Advanced Television Production	4 SH

GRADUATE COURSES**Graduate Electives**

Complete 24 semester hours of graduate course work in communication studies.

Thesis Option, Production Option, or Additional Course Work

Complete the thesis option, the production option, or an additional 6 semester hours of graduate course work.

THESIS OPTION

Complete the following course:

COMM 7990	Thesis	6 SH
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PRODUCTION OPTION

Complete the following course:

COMM 5676	Media Production	6 SH
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ADDITIONAL GRADUATE COURSE WORK

Complete an additional 6 semester hours of graduate course work.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

COMMUNICATION STUDIES UNDERGRADUATE MAJOR CREDIT REQUIREMENT

Complete 52 semester hours in the undergraduate major.

COMMUNICATION STUDIES GRADUATE CREDIT/GPA REQUIREMENTS

Complete 18 semester hours of graduate course work with a minimum GPA of 3.000 in all graduate COMM courses.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required for the bachelor's degree
Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

30 total semester hours of graduate course work required
Minimum 3.000 GPA required for graduate courses

Minor in Communication Studies

REQUIRED COURSES

Complete the following four courses:

COMM 1101	Introduction to Communication Studies	4 SH
COMM 1112	Public Speaking	4 SH
COMM 1220	Media, Culture, and Society	4 SH
COMM 1231	Principles of Organizational Communication	4 SH

ELECTIVE COURSES

Complete two courses from the list below. *Note:* The following courses may not be used: COMM 3451, COMM 3501, COMM 3511, COMM 3550, COMM 3650, COMM 4650, COMM 4750.

COMM 1231 to COMM 2304

COMM 2323	Television and Society	4 SH
COMM 2325	Global Media	4 SH
COMM 2331	Legal Argumentation, Advocacy, and Citizenship	4 SH
COMM 2531	Application of Organizational Communication	4 SH
COMM 3201	Health Communication	4 SH
COMM 3230 to COMM 4799		
COMM 4910 to COMM 4914		

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Media Production

Restricted to communication studies majors.

REQUIRED COURSES

Complete the following four courses:

COMM 2350	Producing for the Entertainment Industry	4 SH
COMM 2450	Audio Production	4 SH
COMM 3550	Television Field Production	4 SH
COMM 3650	Television Studio Production	4 SH

ELECTIVE COURSES

Complete two courses from the following list:

COMM 2451	Sports Broadcasting	4 SH
COMM 2454	Broadcasting Management and Programming	4 SH
COMM 3451	Advertising Principles and Practices	4 SH
COMM 4650	Digital Editing for TV	4 SH
COMM 4750	Advanced Digital Editing for TV and Film	4 SH
COMM 4940	Special Topics in Media Production	4 SH

GPA REQUIREMENT

3.000 GPA required in the minor

Minor in Oratory and Public Speaking

PUBLIC SPEAKING

Complete the following course:

COMM 1112	Public Speaking	4 SH
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ELECTIVE COURSES

Complete four courses from the following list:

COMM 2312	Voice and Articulation	4 SH
COMM 2331	Legal Argumentation, Advocacy, and Citizenship	4 SH
COMM 2402	Presentation, Style, and Professional Communication	4 SH
COMM 3331	Argumentation and Debate	4 SH
COMM 3403	Persuasive Speaking	4 SH
COMM 3511	Oral Interpretation of Literature	4 SH
COMM 4603	Advocacy Workshop	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Political Communication

Note: Only one course in the major may be applied to the minor.

INTRODUCTORY COURSES

Complete two of the following courses:

COMM 1210	Persuasion and Rhetoric	4 SH
JRNL 1150	Interpreting the Day's News	4 SH
POLS 1150	American Government	4 SH

INTERMEDIATE/ADVANCED COURSES

Complete four courses from the following lists. At least one course must be taken from each department:

Communication Studies

COMM 2414	American Public Address 1, 1630–1930	4 SH
COMM 3414	American Public Address 2, 1930–Present	4 SH
COMM 3436	Media and Democracy	4 SH
COMM 4610	Political Communication	4 SH

Journalism

JRNL 2350	History of Journalism	4 SH
JRNL 3550	Law of the Press	4 SH

Political Science

POLS 3310	Parties and Elections	4 SH
POLS 3320	Politics and Mass Media	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Rhetoric

REQUIRED COURSE

Complete one of the following courses:

COMM 1210	Persuasion and Rhetoric	4 SH
COMM 2310	Classical Rhetorical Theory	4 SH
ENGL 1160	Introduction to Rhetoric	4 SH

ELECTIVES

Complete four courses from the following list. *Note:* English majors may reuse only one course from their major in this elective section of the minor. Public advocacy and rhetoric concentrators in the communication studies major may reuse only one course from their concentration in this section:

COMM 2331	Legal Argumentation, Advocacy, and Citizenship	4 SH
COMM 3331	Argumentation and Debate	4 SH
COMM 3410	Rhetorical Criticism: Great Americans, 1630–1930	4 SH
COMM 3411	Rhetorical Criticism: Sound and Image, 1930–Present	4 SH
COMM 3501	Free Speech: Law and Practice	4 SH
COMM 4602	Contemporary Rhetorical Theory	4 SH
COMM 4610	Political Communication	4 SH
ENGL 3322	Topics in Rhetoric	4 SH
ENGL 3325	Rhetoric of Law	4 SH
ENGL 3381	The Writing Process	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Social Activism

Note: Only one course from the major may be applied to the minor.

INTRODUCTORY COURSES

Complete two courses from the following lists. Only one course may be taken from each department/program.

Law, Policy, and Society

LPSC 2301	Introduction to Law, Policy, and Society	4 SH
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Political Science

POLS 1150	American Government	4 SH
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Sociology

SOCL 1228	Social Problems	4 SH
SOCL 1246	Environment and Society	4 SH
SOCL 1268	Social Movements	4 SH

INTERMEDIATE/ADVANCED COURSES

Complete three courses from the following lists. Only one course may be taken from each program/department.

Communication Studies

COMM 2412	Social Movement Communication	4 SH
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Law, Policy, and Society

LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH
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Political Science

POLS 2395	Environmental Politics	4 SH
POLS 3315	Interest Groups and Public Policy	4 SH

Sociology

SOCL 3401	Social Policy and Intervention	4 SH
SOCL 3450	Class, Power, and Social Change	4 SH
SOCL 3458	Social and Political Dimensions of Globalization	4 SH

SERVICE LEARNING

Complete one course from the following list:

COMM 3331	Argumentation and Debate	4 SH
COMM 4534	Organizational Communication Training and Development	4 SH
COMM 4603	Advocacy Workshop	4 SH
HUSV 3550	Social Policy, Advocacy, and Activism	4 SH
POLS 2360	Politics of Poverty	4 SH
SOCL 3470	Social Conflict and Community Service	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

CREATIVE INDUSTRIES

www.ci.neu.edu

TERRENCE MASSON, MA

Senior Academic Specialist and Director

Office: 321 Ryder Hall

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Fax: 617.373.8535

E-mail contact: Terrence Masson, *Senior Academic Specialist and Director*, t.masson@neu.edu

Creative industries (CI) is a potent mix of computer programming, art, animation, storytelling, information architecture, and logic. Our combined majors in interactive media or game design provide the breadth and resources to offer all aspects of this deeply collaborative field. CI affords artists, composers, and designers new opportunities to experiment and collaborate with a wide variety of partners, such as medical researchers, mathematicians, and historians. Our modern creative economy has made specialized artistic and technical literacy necessary for the modern professional across a wide variety of professions.

The creative industries combined majors offer students in the areas of Art + Design, music, and computer science an opportunity

to understand and experience the disparate disciplines that contribute to content creation. These combined majors expose students to the historical significance of changing technology and media, while encouraging students to integrate their creative work with the skills they need in the rapidly growing field of creative and technical production.

Interactive media and game design require intensive team interaction and a broad knowledge base. Our collaborative approach best allows all team members to understand the context in which their contributions are used. Creative industries students have many opportunities to collaborate with their peers and work with students in all interactive media and game design combined majors.

Transferring to the Creative Industries Combined Majors

Interactive media and game design combined majors require a serious dedication concentrating in one of seven separate programs of study. To be eligible to apply to the creative industries program, students must:

1. Be majors in good standing in one of the home disciplines.
2. Complete at least one semester of course work in the Department of Art + Design, Department of Music, or College of Computer Science with an overall GPA of 3.000 (or permission of the Creative Industries Committee).

Students in the program begin their work in their home department or college and then continue to develop their core discipline while exploring their interdisciplinary course work.

The curriculum comprises three components:

- Basic principles of art and design, music technology, and computer programming
- Extradisciplinary courses to provide a historical, societal, and cultural framework
- Cross-disciplinary courses specific to the program, such as the following:

GAME 1110	Games and Society	4 SH
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The student's senior year in the program is devoted to integrating these components in a capstone project. Students work as interdisciplinary teams, drawing on their accumulated knowledge to develop and deliver a single original project.

Creative Industries Minor

The creative industries minor allows students from all over the University to participate in interdisciplinary digital media curricula and team-based projects. The minor provides students with an opportunity to collaborate across disciplines, departments, and categories with a reinforcement of ethics and culture to guide them.

Academic Progression Standards

Art + Design and music technology students are required to maintain a 3.000 GPA in their home department and creative industries courses. Computer science students must maintain a minimum 2.670 GPA in all CS courses.

BS in Interactive Media and Music with Concentration in Music Technology

NU CORE REQUIREMENTS

See page 30 for requirement list.

MUSIC REQUIREMENTS

Music Courses

Complete the following eight courses:

MUSC 1000	Music at Northeastern	1 SH
MUSC 1250	Instrumentation and Notation	4 SH
MUST 1220	Music and Technology 1	4 SH
MUST 1221	Music and Technology 2	4 SH
MUST 2315	History of Electronic Music	4 SH
MUST 2320	Sound Design	4 SH
MUST 3421	Digital Audio Processing	4 SH
MUST 4520	Interactive Real-Time Performance	4 SH

Music Theory and Historical Traditions

Complete the following seven courses. Music theory and musicianship courses should be taken concurrently, as indicated:

MUSC 1201	Music Theory 1	4 SH
with MUSC 1241	Musicianship 1	1 SH
MUSC 1202	Music Theory 2	4 SH
with MUSC 1242	Musicianship 2	1 SH
MUSC 2303	Music Theory 3	4 SH
with MUSC 2343	Musicianship 3	1 SH
MUSC 2304	Music Theory 4	4 SH
with MUSC 2344	Musicianship 4	1 SH
MUSC 2308	Principles of Music Literature	4 SH
MUSC 2312	Historical Traditions 2: Classical	4 SH
MUSC 2313	Historical Traditions 3: World	4 SH

Music Composition Lessons

Complete the following (repeatable) course six times:

MUSC 1903	Composition Lessons	1 SH
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Music Ensembles

Complete two music ensembles:

MUSC 1904	Chorus	1 SH
MUSC 1905	Band	1 SH
MUSC 1906	Orchestra	1 SH
MUSC 1907	Wind Ensemble	1 SH
MUSC 1911	Jazz Ensemble	1 SH
MUSC 1912	Rock Ensemble	1 SH
MUSC 1913	Blues/Rock Ensemble	1 SH
MUSC 1914	Create Your Own Music	1 SH
MUSC 1915	Chamber Ensembles	1 SH
MUSC 1916	Electronic Music Ensemble	1 SH
MUSC 1917	Jazz/Blues Choir	1 SH
MUSC 1918	World Music Ensemble	1 SH

INTERACTIVE MEDIA REQUIREMENTS**Interactive Media Courses**

Complete the following six courses:

IM 1110	Interactive Media and Society	4 SH
IM 2100	Digital Narrative 1	4 SH
IM 2250	Programming for Digital Media	4 SH
IM 2400	Web Design and Development	4 SH
with IM 2401	Web Development Tools	1 SH
IM 4700	Interactive Media Capstone 1	4 SH
IM 4701	Interactive Media Capstone 2	4 SH

Art + Design

Complete the following two courses with corresponding tools courses:

ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH

GENERAL REQUIREMENTS**Social Science Level 1**

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Mathematics

Complete the following course:

MATH 1260	Math Fundamentals for Games	4 SH
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Ethics and Culture

Complete one of the following courses. This course should be taken only after the student has completed 56 semester hours:

COMM 1220	Media, Culture, and Society	4 SH
PHIL 1145	Technology and Human Values	4 SH
SOCL 4528	Computers and Society	4 SH

CREATIVE INDUSTRIES ELECTIVES

Complete three courses from the following lists. If the course has prerequisites, the student must take those first unless permission is obtained in advance from the program office. If the course requires a corresponding lab or tools course, that course must be taken as well:

Art + Design

ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH

Digital Art—Animation

ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 3470	Animation Studio 1	4 SH

Digital Art—Video

ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH
ARTD 3480	Video 1	4 SH

Digital Art—Photography

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 3460	Photography 1	4 SH

Graphic Design

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH
ARTG 2252	Graphic Design 1	4 SH
ARTG 3350	Typography 2	4 SH

Interactive Media

IM 2200	Digital Narrative 2	4 SH
IM 2300	Managing Media Development	4 SH
IM 3250	Physical Computing	4 SH
IM 3500	Cross-Media Marketing and Communication	4 SH
IM 3600	Market Analysis for the Creative Industries	4 SH
IM 3700	Interface and Virtual Environments	4 SH
IM 3899	Topics in Interactive Media	4 SH

Computer Science

CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH

Psychology

PSYC 3452	Sensation and Perception	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

REQUIRED GENERAL ELECTIVES

Complete two general electives. If the NU Core comparative studies of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

144 total semester hours required
Minimum 2.000 GPA required

BS in Computer Science and Game Design

See page 156.

BS in Computer Science and Interactive Media

See page 157.

BFA in Digital Art and Game Design

See page 53.

BFA in Digital Art and Interactive Media

See page 54.

BFA in Graphic Design and Game Design

See page 55.

BFA in Graphic Design and Interactive Media

See page 57.

Minor in Creative Industries*Note:* “TBD” stands for “to be determined.”**CREATIVE INDUSTRIES REQUIREMENT**

Complete one of the following courses:

GAME 1110	Games and Society	4 SH
IM 1110	Interactive Media and Society	4 SH

INTERACTIVE MEDIA AND GAME DESIGN

Complete at least three courses in interactive media or game design from the following lists:

Interactive Media

IM 1110	Interactive Media and Society	4 SH
IM 2300	Managing Media Development	4 SH
IM 3200	Interactive Sound Development	4 SH
IM 3500	Cross-Media Marketing and Communication	4 SH
IM 3600	Market Analysis for the Creative Industries	4 SH

Game Design

GAME 1110	Games and Society	4 SH
GAME 2150	Programming for Games	4 SH
GAME 3150	Game Design Algorithms	4 SH
GAME 3250	Artificial Intelligence for Games	4 SH

CREATIVE INDUSTRIES ELECTIVES

Complete two additional courses, either from the above interactive media or game design lists or from the following creative industries electives. If the course has prerequisites, the student must complete those first unless permission is obtained in advance from the program office. If the course requires a corresponding lab or tools course, that course must be taken as well:

Computer Science

CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH

Journalism

JRNL 1150	Interpreting the Day’s News	4 SH
JRNL 3525	Online Journalism	4 SH
JRNL 5340	Reinventing the News: The Journalism of the Web	4 SH

Music

Course list TBD.

Communication Studies

Course list TBD.

Business

Course list TBD.

Psychology

PSYC 1101	Foundations of Psychology	4 SH
PSYC 3452	Sensation and Perception	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

Ethics and Culture

COMM 1220	Media, Culture, and Society	4 SH
PHIL 1145	Technology and Human Values	4 SH
SOCL 4528	Computers and Society	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

SCHOOL OF JOURNALISMwww.northeastern.edu/journalism

STEPHEN D. BURGARD, MS

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The School of Journalism seeks to prepare students for careers in news media and related fields. The skills it emphasizes—writing, editing, video and audio production, design and graphics, and online reporting—also have broad applications in numerous other disciplines.

Students may enroll in a four- or five-year cooperative education program or a four-year program without co-op. The school strongly advises students to obtain cooperative education experience.

Graduates work for some of the world’s best newspapers and magazines, radio and television stations, online publications, wire services, public relations departments, and advertising agencies.

Transferring to the Major

Any student transferring to the School of Journalism must have at least a 3.000 cumulative GPA. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

Journalism majors must maintain a minimum GPA of 2.250. Students who remain below 2.250 for two consecutive semesters may be dropped from the major.

BA in Journalism

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

JOURNALISM MAJOR REQUIREMENTS

Students transferring from outside institutions must complete a minimum of five four-credit journalism courses at Northeastern, and these must include JRNL 2201, JRNL 2301, and JRNL 4650.

Journalism Courses

Complete the following three courses with a grade of C or higher:

JRNL 1101	Journalism 1	4 SH
JRNL 2201	Journalism 2	4 SH
JRNL 2301	Journalism 3	4 SH

Required Journalism

Complete the following four courses:

JRNL 1150	Interpreting the Day's News	4 SH
JRNL 2350	History of Journalism	4 SH
JRNL 3550	Law of the Press	4 SH
JRNL 4650	Journalism Ethics and Issues	4 SH

Journalism Electives

Complete two journalism electives.

Journalism-Related Requirement

Complete the following course:

HIST 1130	Introduction to American History	4 SH
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EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

JOURNALISM MAJOR CREDIT REQUIREMENT

Complete 40 semester hours in the major.

UPPER-DIVISION ELECTIVES

Complete three general electives numbered 3000 or above. *Note:* Courses used as upper-division electives do not count toward the NU Core.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Cinema Studies and Journalism

See page 63.

Minor in Journalism

REQUIRED COURSES

Complete the following six courses:

JRNL 1101	Journalism 1	4 SH
JRNL 1150	Interpreting the Day's News	4 SH
JRNL 2201	Journalism 2	4 SH
JRNL 2301	Journalism 3	4 SH
JRNL 3550	Law of the Press	4 SH
JRNL 4650	Journalism Ethics and Issues	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

MUSIC

www.music.neu.edu

ANTHONY P. DE RITIS, PhD

Professor and Chair

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The Department of Music approaches the study of music from a global, multicultural, and multifaceted perspective. The department offers three concentrations in the context of a broad liberal arts program.

The music industry concentration is the first such undergraduate program in Boston. It is designed for students with an interest in fields such as artist management, the music products industry, the record industry, arts administration, contracting and legal issues, the recording process, and studio techniques. Developed in collaboration with Northeastern's College of Business Administration, the music industry concentration leads to a Bachelor of Science degree.

The music history and analysis concentration includes courses in Western classical music, American music, world music, music theory, and ear training. Students may combine this concentration with the minor in music performance, which entails an audition, private lessons, ensemble performance, and two

recitals. They may also combine this concentration with a minor in music industry, ethnomusicology, or music theatre. The music history and analysis concentration leads to a Bachelor of Arts degree.

The music technology concentration teaches students to compose music using the newest electronic music technology, both hardware and software. Students are exposed to techniques such as MIDI sequencing, digital and analog recording, sound design, audio for video, and the latest methods for delivering music over the Internet. Students also study composition for both acoustic and electronic instruments. The concentration includes a thorough background in the fundamentals of music, including music theory and history, and leads to a Bachelor of Science degree.

Through an exchange program, students may attend classes at the New England Conservatory of Music. Students also share an array of high-tech and multimedia equipment.

While some music courses are designed for music majors, the department also offers elective survey courses. Several of these courses fulfill the University's core curriculum requirement.

An extensive concert series offers a variety of performances by students, faculty, and guest artists. Students also have the opportunity to participate in active choral groups, bands, chamber ensembles, and the University orchestra.

Transferring to the Major

Students who wish to transfer into the major must have a cumulative GPA of 2.750 overall. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the major. Additionally, students who wish to transfer into the music technology concentration must submit a portfolio of recent original work and complete an interview. Enrollment into this concentration is limited and highly selective. Please see the department for specific instructions.

Academic Progression Standards

Students must maintain at least a B– average in all major courses. Students must complete all required music courses with grades of at least C. Students who fail to meet the above standards will be placed on departmental probation. Students who remain on probation for two consecutive semesters will be dropped from the major.

BA in Music with Concentration in Music History and Analysis

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

MUSIC REQUIREMENTS FOR MUSIC HISTORY AND ANALYSIS CONCENTRATION

Music Theory and Musicianship

Complete the following four courses. Music theory and musicianship courses should be taken concurrently, as indicated:

MUSC 1201	Music Theory 1	4 SH
with MUSC 1241	Musicianship 1	1 SH
MUSC 1202	Music Theory 2	4 SH
with MUSC 1242	Musicianship 2	1 SH
MUSC 2303	Music Theory 3	4 SH
with MUSC 2343	Musicianship 3	1 SH
MUSC 2304	Music Theory 4	4 SH
with MUSC 2344	Musicianship 4	1 SH

Music History

Complete the following six courses. MUSC 3550 can be taken multiple times:

MUSC 2311	Historical Traditions 1: America	4 SH
MUSC 2312	Historical Traditions 2: Classical	4 SH
MUSC 2313	Historical Traditions 3: World	4 SH
MUSC 3550	Historical Traditions 4: Special Topics	4 SH
MUSC 3560	Music since 1900	4 SH
MUSC 4631	Music History and Analysis Capstone	4 SH

Music Literature

Complete the following course:

MUSC 2308	Principles of Music Literature	4 SH
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Piano Lessons

Complete the following course:

MUSC 1901	Music Lessons 1	1 SH
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Music Ensemble

Complete five music ensembles:

MUSC 1904	Chorus	1 SH
MUSC 1905	Band	1 SH
MUSC 1906	Orchestra	1 SH
MUSC 1907	Wind Ensemble	1 SH
MUSC 1911	Jazz Ensemble	1 SH
MUSC 1912	Rock Ensemble	1 SH
MUSC 1913	Blues/Rock Ensemble	1 SH
MUSC 1914	Create Your Own Music	1 SH
MUSC 1915	Chamber Ensembles	1 SH
MUSC 1916	Electronic Music Ensemble	1 SH
MUSC 1917	Jazz/Blues Choir	1 SH
MUSC 1918	World Music Ensemble	1 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

MUSIC HISTORY AND ANALYSIS MAJOR CREDIT REQUIREMENT

Complete 54 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Music with Concentration in Music Industry**NU CORE REQUIREMENTS**

See page 30 for requirement list.

MUSIC INDUSTRY REQUIREMENTS**Music Theory Requirement**

Complete the following two courses:

MUSI 1203 Music Theory for Music Industry 1 4 SH

MUSI 1204 Music Theory for Music Industry 2 4 SH

Music History

Complete the following four courses. MUSC 3550 can be taken multiple times:

MUSC 2311 Historical Traditions 1: America 4 SH

MUSC 2312 Historical Traditions 2: Classical 4 SH

MUSC 2313 Historical Traditions 3: World 4 SH

MUSC 3550 Historical Traditions 4: Special Topics 4 SH

or MUSC 3560 Music since 1900 4 SH

Music Literature

Complete the following course:

MUSC 2308 Principles of Music Literature 4 SH

Music Ensembles

Complete two music ensembles:

MUSC 1904 Chorus 1 SH

MUSC 1905 Band 1 SH

MUSC 1906 Orchestra 1 SH

MUSC 1907 Wind Ensemble 1 SH

MUSC 1911 Jazz Ensemble 1 SH

MUSC 1912 Rock Ensemble 1 SH

MUSC 1913 Blues/Rock Ensemble 1 SH

MUSC 1914 Create Your Own Music 1 SH

MUSC 1915 Chamber Ensembles 1 SH

MUSC 1916 Electronic Music Ensemble 1 SH

MUSC 1917 Jazz/Blues Choir 1 SH

MUSC 1918 World Music Ensemble 1 SH

Music Industry

Complete the following three courses:

MUSI 1230 Music Industry 1 4 SH

MUSI 1231 Music Industry 2 4 SH

MUSI 4601 Seminar in Music Industry 4 SH

Music Industry Electives

Complete four of the following courses:

MUSC 3337 Writing about Music 4 SH

MUSI 2232 Music Recording 1 4 SH

MUSI 2233 Music Production for Radio and Web 4 SH

MUSI 2330 Performing Arts Administration 4 SH

MUSI 2331 Music Recording 2 4 SH

MUSI 2332 Music Publishing and Royalties 4 SH

MUSI 2341 Music Supervision 4 SH

MUSI 2540 Special Topics in Music Industry 4 SH

MUSI 3332 Artist Management 4 SH

MUSI 3333 The Record Industry 4 SH

MUSI 3334 Music Products Industry 4 SH

MUSI 3335 Copyright Law for Musicians 4 SH

MUSI 3336 Computer Applications in Music 4 SH

Business

MUSI 3338 Music Industry Marketing and 4 SH

Promotion

MUSI 3340 Concert Promotion and Venue 4 SH

Management

MUSI 4530 Music Entrepreneurship 4 SH

MUST 1220 Music and Technology 1 4 SH

MUST 1221 Music and Technology 2 4 SH

MUST 3421 Digital Audio Processing 4 SH

BUSINESS COURSE REQUIREMENTS**Economics**

Complete the following two courses:

ECON 1115 Principles of Macroeconomics 4 SH

ECON 1116 Principles of Microeconomics 4 SH

Accounting

Complete the following course:

ACCT 1209 Financial Accounting and Reporting 4 SH

Business Electives

Complete two business courses in the following subject areas:

ACCT, BUSN, ENTR, FINA, HRMG, INTB, MGMT, MGSC,

MISM, MKTG, ORGB, or SCHM.

EXPERIENTIAL LEARNING REQUIREMENT FOR MUSIC INDUSTRY

Complete the following course:

MUSI 4601 Seminar in Music Industry 4 SH

MUSIC INDUSTRY MAJOR CREDIT REQUIREMENT

Complete 78 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Music with Concentration in Music Technology**NU CORE REQUIREMENTS**

See page 30 for requirement list.

GENERAL MUSIC REQUIREMENTS***Music Theory and Musicianship***

Complete the following five courses. Music theory and musicianship courses should be taken concurrently, as indicated:

MUSC 1201	Music Theory 1	4 SH
with MUSC 1241	Musicianship 1	1 SH
MUSC 1202	Music Theory 2	4 SH
with MUSC 1242	Musicianship 2	1 SH
MUSC 2303	Music Theory 3	4 SH
with MUSC 2343	Musicianship 3	1 SH
MUSC 2304	Music Theory 4	4 SH
with MUSC 2344	Musicianship 4	1 SH
MUSC 3541	Music Analysis Seminar	4 SH

Music History

Complete the following five courses:

MUSC 2308	Principles of Music Literature	4 SH
MUSC 2311	Historical Traditions 1: America	4 SH
MUSC 2312	Historical Traditions 2: Classical	4 SH
MUSC 2313	Historical Traditions 3: World	4 SH
MUSC 3560	Music since 1900	4 SH

Music Composition

Complete the following three courses:

MUSC 1250	Instrumentation and Notation	4 SH
MUST 3420	Music Composition Seminar 1	4 SH
MUST 3422	Music Composition Seminar 2	4 SH

Composition Lessons

Complete the following (repeatable) course six times:

MUSC 1903	Composition Lessons	1 SH
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Ensembles

Complete two music ensembles:

MUSC 1904	Chorus	1 SH
MUSC 1905	Band	1 SH
MUSC 1906	Orchestra	1 SH
MUSC 1907	Wind Ensemble	1 SH
MUSC 1911	Jazz Ensemble	1 SH
MUSC 1912	Rock Ensemble	1 SH
MUSC 1913	Blues/Rock Ensemble	1 SH
MUSC 1914	Create Your Own Music	1 SH
MUSC 1915	Chamber Ensembles	1 SH
MUSC 1916	Electronic Music Ensemble	1 SH
MUSC 1917	Jazz/Blues Choir	1 SH
MUSC 1918	World Music Ensemble	1 SH

MUSIC TECHNOLOGY REQUIREMENTS***Music Technology***

Complete the following four courses:

MUST 1220	Music and Technology 1	4 SH
MUST 1221	Music and Technology 2	4 SH
MUST 2315	History of Electronic Music	4 SH
MUST 3421	Digital Audio Processing	4 SH

Electronic Composition and Performance

Complete the following three courses:

MUST 4520	Interactive Real-Time Performance	4 SH
MUST 4610	Composition for Electronic Instruments	4 SH
MUST 4611	Music Technology Capstone/Senior Recital	4 SH

Music Technology Electives

Complete one course from the following list, or consult your advisor for approval of other acceptable courses:

ARTD 2380	Video Basics	4 SH
ARTF 1122	2D Foundation	4 SH
ARTF 2224	Interactive Tools	1 SH
INAM 4699	Advanced Television Production	4 SH
MUSI 1230	Music Industry 1	4 SH
MUSI 2233	Music Production for Radio and Web	4 SH
MUSI 3336	Computer Applications in Music Business	4 SH
MUST 2320	Sound Design	4 SH
MUST 2540	Special Topics in Music Technology	4 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

MUSIC TECHNOLOGY CREDIT REQUIREMENTS

Complete 96 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Music with Concentration in Music Technology

See page 160.

BS in Interactive Media and Music with Concentration in Music Technology

See page 77.

Minor in General Music**MUSIC THEORY AND MUSICIANSHIP**

Complete the following two courses. Music theory and musicianship courses should be taken concurrently, as indicated:

MUSC 1201	Music Theory 1	4 SH
with MUSC 1241	Musicianship 1	1 SH
MUSC 1202	Music Theory 2	4 SH
with MUSC 1242	Musicianship 2	1 SH

PRINCIPLES OF MUSIC LITERATURE

Complete the following course:

MUSC 2308	Principles of Music Literature	4 SH
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MUSIC HISTORY ELECTIVE

Complete one course from the following list:

MUSC 2311	Historical Traditions 1: America	4 SH
MUSC 2312	Historical Traditions 2: Classical	4 SH
MUSC 2313	Historical Traditions 3: World	4 SH
MUSC 3550	Historical Traditions 4: Special Topics	4 SH
MUSC 3560	Music since 1900	4 SH
MUST 2315	History of Electronic Music	4 SH

MUSIC ELECTIVE

Complete one course from the Department of Music.

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Ethnomusicology**REQUIRED COURSES**

Complete the following three courses. Music theory and musicianship courses should be taken concurrently, as indicated:

MUSC 1201	Music Theory 1	4 SH
with MUSC 1241	Musicianship 1	1 SH
MUSC 2308	Principles of Music Literature	4 SH
MUSC 3350	Introduction to Ethnomusicology	4 SH

Music industry majors may substitute the following course for MUSC 1201:

MUSI 1203	Music Theory for Music Industry 1	4 SH
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ETHNOMUSICOLOGY ELECTIVES

Complete three of the following courses:

MUSC 1104	Survey of African-American Music	4 SH
MUSC 1127	Introduction to World Music	4 SH
MUSC 1128	Music of Africa	4 SH
MUSC 1130	Music of Asia	4 SH
MUSC 1131	Music of Latin America and the Caribbean	4 SH
MUSC 1132	Music of the Jewish People	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Music Industry**MUSIC THEORY AND LITERATURE**

Complete the following two courses:

MUSC 1101	Introduction to Music	4 SH
or MUSC 2308	Principles of Music Literature	4 SH
MUSC 1119	Fundamentals of Western Music Theory	4 SH

MUSIC INDUSTRY

Complete the following two courses:

MUSI 1230	Music Industry 1	4 SH
MUSI 1231	Music Industry 2	4 SH

MUSIC INDUSTRY ELECTIVES

Complete two courses from the following list:

MUSC 3337	Writing about Music	4 SH
MUSI 2232	Music Recording 1	4 SH
MUSI 2233	Music Production for Radio and Web	4 SH
MUSI 2330	Performing Arts Administration	4 SH
MUSI 2331	Music Recording 2	4 SH
MUSI 2332	Music Publishing and Royalties	4 SH
MUSI 2341	Music Supervision	4 SH
MUSI 2540	Special Topics in Music Industry	4 SH
MUSI 3332	Artist Management	4 SH
MUSI 3333	The Record Industry	4 SH
MUSI 3334	Music Products Industry	4 SH
MUSI 3335	Copyright Law for Musicians	4 SH
MUSI 3336	Computer Applications in Music Business	4 SH
MUSI 3338	Music Industry Marketing and Promotion	4 SH
MUSI 3340	Concert Promotion and Venue Management	4 SH
MUSI 4530	Music Entrepreneurship	4 SH
MUST 1220	Music and Technology 1	4 SH
MUST 1221	Music and Technology 2	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Music Performance

Restricted to music majors. Requires audition for acceptance into the minor.

MUSIC THEORY AND MUSICIANSHIP

Complete the following four courses. Music theory and musicianship courses should be taken concurrently, as indicated.

Music industry majors take program-specific music theory courses, as outlined below. A grade of C or better is required in music theory courses:

MUSC 1201	Music Theory 1	4 SH
with MUSC 1241	Musicianship 1	1 SH
MUSC 1202	Music Theory 2	4 SH
with MUSC 1242	Musicianship 2	1 SH

MUSC 2303	Music Theory 3	4 SH
with MUSC 2343	Musicianship 3	1 SH
MUSC 2304	Music Theory 4	4 SH
with MUSC 2344	Musicianship 4	1 SH

Music Industry Majors Only

MUSI 1203	Music Theory for Music Industry 1	4 SH
with MUSC 1241	Musicianship 1	1 SH
MUSI 1204	Music Theory for Music Industry 2	4 SH
with MUSC 1242	Musicianship 2	1 SH
MUSC 2303	Music Theory 3	4 SH
with MUSC 2343	Musicianship 3	1 SH
MUSC 2304	Music Theory 4	4 SH
with MUSC 2344	Musicianship 4	1 SH

PERFORMANCE PRACTICE

Complete the following course:

MUSC 4621	Seminar in Performance Practice	4 SH
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Music Lessons

Complete three music lesson courses (courses are repeatable):

MUSC 1901	Music Lessons 1	1 SH
MUSC 1902	Music Lessons 2	1 SH

Music Recitals

Complete the following two courses:

MUSC 3410	Recital 1	1 SH
MUSC 4622	Recital 2	1 SH

Music Ensembles

Complete seven music ensembles:

MUSC 1904	Chorus	1 SH
MUSC 1905	Band	1 SH
MUSC 1906	Orchestra	1 SH
MUSC 1907	Wind Ensemble	1 SH
MUSC 1911	Jazz Ensemble	1 SH
MUSC 1912	Rock Ensemble	1 SH
MUSC 1913	Blues/Rock Ensemble	1 SH
MUSC 1914	Create Your Own Music	1 SH
MUSC 1915	Chamber Ensembles	1 SH
MUSC 1916	Electronic Music Ensemble	1 SH
MUSC 1917	Jazz/Blues Choir	1 SH
MUSC 1918	World Music Ensemble	1 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Musical Theatre

See page 87.

THEATRE

nuweb.neu.edu/theatre

JANET BOBCEAN, MFA

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The study of theatre—as performance, visual expression, text, theory, and history—at Northeastern University balances production theory and practice. In the theatre production laboratory, students (majors and nonmajors) are involved in experiential learning that synthesizes the ideas, theories, and practices studied in the classroom. All theatre majors participate in laboratory and public performances.

A theatre major may petition to enter the concentration in performance, the concentration in production, or the generalist option. Opportunities exist for independent projects, internships, and co-op experiences.

Theatre majors may pursue advanced study in graduate or professional programs, careers as theatre practitioners, or careers in theatre education.

Transferring to the Major

Acceptance into the major is based on the student's meeting the department's criteria for admission and on availability of space in the program.

Academic Progression Standards

Students must receive a minimum grade of 2.000 in major courses. The following courses must be taken by the end of the fourth semester (third semester for transfer students):

THTR 1101	Art of the Theatre	4 SH
THTR 1120	Acting 1	4 SH
THTR 1131	Technical Theatre 1	4 SH
THTR 1210	Theatre and Society	4 SH
THTR 1270	Theatrical Design	4 SH
THTR 2300	Theatre History	4 SH
THTR 4804	Theatre Practicum (repeatable course, to be taken twice)	1 SH

Failure to meet these standards will result in departmental probation. Three consecutive semesters on probation will result in dismissal from the major.

BA in Theatre**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

THEATRE MAJOR REQUIREMENTS

A minimum grade of C is required for all theatre courses.

Theatre Background and History

Complete the following two courses:

THTR 1101	Art of the Theatre	4 SH
THTR 2300	Theatre History	4 SH

Onstage

Complete the following three courses:

THTR 1120	Acting 1	4 SH
THTR 2325	Script Analysis for the Stage	4 SH
THTR 3550	Concepts of Directing	4 SH

Backstage

Complete the following two courses:

THTR 1131	Technical Theatre 1	4 SH
THTR 1270	Theatrical Design	4 SH

Practicum

Complete the following (repeatable) course three times:

THTR 4804	Theatre Practicum	1 SH
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History/Literature/Criticism

Complete three courses from the following list:

THTR 1210	Theatre and Society	4 SH
THTR 2315	Theatre/Modernism	4 SH
THTR 2335	Contemporary Theatre	4 SH
THTR 3450	Shakespeare in Performance	4 SH
THTR 3500	Dramatic Theory/Criticism	4 SH

Rehearsal and Performance

Complete the following two courses:

THTR 4701	Rehearsal and Performance	4 SH
THTR 4702	Capstone Rehearsal and Performance	4 SH

THEATRE CONCENTRATION

Complete the concentration in performance, the concentration in production, or general electives as indicated below. A minimum grade of C is required for all theatre courses.

Concentration in Performance

Complete the following three courses:

THTR 1250	Voice and Movement 1 for Theatre	4 SH
THTR 2342	Acting 2	4 SH
THTR 2343	Acting 3	4 SH

Concentration in Production

Complete the following course:

THTR 2365	Technical Theatre 2	4 SH
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and two additional courses from the following list:

THTR 2370	Lighting Design for the Stage	4 SH
THTR 2380	Costume Design	4 SH

THTR 2385	Pattern Drafting and Costume Construction	4 SH
THTR 3460	Scenic Design for the Stage	4 SH
THTR 3465	Theatrical Drafting	4 SH

Theatre General Electives

Complete three intermediate or advanced theatre courses: THTR 2300 to THTR 4699

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

THEATRE MAJOR CREDIT REQUIREMENT

Complete 63 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BS in Theatre**NU CORE REQUIREMENTS**

See page 30 for requirement list.

THEATRE MAJOR REQUIREMENTS

A minimum grade of C is required for all theatre courses.

Theatre Background and History

Complete the following two courses:

THTR 1101	Art of the Theatre	4 SH
THTR 2300	Theatre History	4 SH

Onstage

Complete the following three courses:

THTR 1120	Acting 1	4 SH
THTR 2325	Script Analysis for the Stage	4 SH
THTR 3550	Concepts of Directing	4 SH

Backstage

Complete the following two courses:

THTR 1131	Technical Theatre 1	4 SH
THTR 1270	Theatrical Design	4 SH

Practicum

Complete the following (repeatable) course three times:

THTR 4804	Theatre Practicum	1 SH
-----------	-------------------	------

History/Literature/Criticism

Complete three courses from the following list:

THTR 1210	Theatre and Society	4 SH
THTR 2315	Theatre/Modernism	4 SH
THTR 2335	Contemporary Theatre	4 SH
THTR 3450	Shakespeare in Performance	4 SH
THTR 3500	Dramatic Theory/Criticism	4 SH

Rehearsal and Performance

Complete the following two courses:

THTR 4701	Rehearsal and Performance	4 SH
THTR 4702	Capstone Rehearsal and Performance	4 SH

THEATRE CONCENTRATION

Complete the concentration in performance, the concentration in production, or general electives as indicated below. A minimum grade of C is required for all theatre courses.

Concentration in Performance

Complete the following three courses:

THTR 1250	Voice and Movement 1 for Theatre	4 SH
THTR 2342	Acting 2	4 SH
THTR 2343	Acting 3	4 SH

Concentration in Production

Complete the following course:

THTR 2365	Technical Theatre 2	4 SH
-----------	---------------------	------

and two additional courses from the following list:

THTR 2370	Lighting Design for the Stage	4 SH
THTR 2380	Costume Design	4 SH
THTR 2385	Pattern Drafting and Costume Construction	4 SH
THTR 3460	Scenic Design for the Stage	4 SH
THTR 3465	Theatrical Drafting	4 SH

Theatre General Electives

Complete three intermediate or advanced theatre courses:

THTR 2300 to THTR 4699

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

THEATRE MAJOR CREDIT REQUIREMENT

Complete 63 semester hours in the major.

UPPER-DIVISION ELECTIVES

Complete three general electives numbered 3000 or above. *Note:* Courses used as upper-division electives do not count toward the NU Core.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in American Sign Language and Theatre

See page 254.

BA in Cinema Studies and Theatre

See page 68.

BS in Cinema Studies and Theatre

See page 69.

Minor in Theatre

Note: No student may receive a theatre minor as a result of external transfer credit only.

REQUIRED COURSES

Complete the following five courses:

THTR 1101	Art of the Theatre	4 SH
THTR 1130	Actors and Acting	4 SH
THTR 1131	Technical Theatre 1	4 SH
THTR 1210	Theatre and Society	4 SH
THTR 4701	Rehearsal and Performance	4 SH

ELECTIVE COURSES

Complete two of the following courses:

THTR 1270	Theatrical Design	4 SH
THTR 2300	Theatre History	4 SH
THTR 2325	Script Analysis for the Stage	4 SH
THTR 2344	Intermediate Acting	4 SH

THEATRE PRACTICUM

Complete the following course:

THTR 4804	Theatre Practicum	1 SH
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GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Musical Theatre

Note: "TBD" stands for "to be determined."

REQUIRED COURSES

Complete the following three courses:

THTR 1130	Actors and Acting	4 SH
THTR 2310	American Musical Theatre	4 SH
THTR 3570	Musical Theatre Technique	4 SH

MUSIC THEORY

Complete one of the following courses:

MUSC 1119	Fundamentals of Western Music Theory	4 SH
MUSC 1201	Music Theory 1	4 SH
TBD	Learning to Read Music (pending approval)	4 SH

MUSIC THEATRE ELECTIVES

Complete two courses from the following list:

MUSC 1101	Introduction to Music	4 SH
MUSC 1107	Introduction to Opera	4 SH
MUSC 1109	Introduction to Art, Drama, and Music	4 SH
MUSC 2210	Songwriting	4 SH
THTR 1101	Art of the Theatre	4 SH
THTR 1270	Theatrical Design	4 SH
THTR 2325	Script Analysis for the Stage	4 SH
THTR 2330	Playwriting 1	4 SH
THTR 2344	Intermediate Acting	4 SH

VOICE, COMPOSITION, OR THEATRE

Complete one of the following courses:

MUSC 1901	Music Lessons 1	1 SH
MUSC 1903	Composition Lessons	1 SH
THTR 4804	Theatre Practicum	1 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Bouvé College of Health Sciences

www.bouve.neu.edu

STEPHEN R. ZOLOTH, PhD, Dean

Kristen Bell, MPH, Academic Advisor

Susan Cassell, BA, Advising and Technology Associate

Suzanne Greenberg, MS, Associate Dean and Director of the Graduate School

Christine Letzeiser, MS, RN, Assistant Dean of Enrollment Management and First-Year Students/Office of Student Services

Jessica L. Moore, EdM, Academic Advisor, Coordinator of School of Health Professions Advising

Margaret K. Schnabel, Director of Graduate Student Services

Cynthia Seltzer, MA, Academic Advisor

Anne M. Sullivan, MEd, Assistant Dean for Administrative Affairs

Nancy P. Warner, MS, Associate Director, Office of Student Services, and Academic Advisor

Dean's Office: 215 Behrakis Health Sciences Center

Phone: 617.373.3323

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Undergraduate Programs Office: 120 Behrakis Health Sciences Center

Phone: 617.373.3320

Fax: 617.373.8994

The programs in Bouvé College of Health Sciences combine experiential and cooperative education opportunities with highly innovative academic curricula that are designed to meet the demand for well-educated allied health professionals, nurses, and pharmacists. The college seeks to prepare students to become effective professional practitioners, enter graduate schools, and work in many areas responsible for the delivery of health care.

There are three schools within the Bouvé College of Health Sciences: the School of Nursing, the School of Pharmacy, and the School of Health Professions, which comprises the following majors: athletic training, cardiopulmonary and exercise sciences, health science, medical laboratory science, physical therapy, and speech-language pathology and audiology. The college offers students a health-care education that features a curriculum of highly relevant and closely integrated basic courses in the physical, biological, behavioral, and administrative sciences; on-site involvement in clinical patient care, including introductory and advanced pharmacy practice experiences and clinical experiences in nursing, physical therapy, and other health professions; experiential education opportunities; a cooperative

education work program; and a commitment to the search for and advancement of new and progressive concepts, ideas, and philosophies of education and professional practice.

Each of the programs offered by the college is accredited by the appropriate professional group. The college is a member of the Association of Schools of Allied Health Professions, the American Association of Colleges of Nursing, and the American Association of Colleges of Pharmacy.

Academic Requirements

Students are responsible for following the curriculum plan for their major, pattern of attendance, and graduation year. Students are responsible for monitoring their own progress through the curriculum by registering for the courses stipulated by their curriculum plan, knowing course prerequisites, regularly checking the degree audit system, and knowing the sanctions for unsatisfactory academic progress. Any exceptions to a student's curriculum plan must be approved by his or her academic advisor.

COLLEGE ACADEMIC STANDARDS— PROFESSIONAL COURSES

Students must receive a grade of C or better in professional courses.

Professional courses are required courses taught within the major/college as identified by course subject code: ATHT, CAEP, EXSC, HLTH, HSCI, MLBS, NRSNG, PHMD, PHSC, PHTH, PT, SLPA, TOXC.

Courses in the above-listed subjects that are taken as electives are exempt from the C or better rule and the University's minimum satisfactory grade will be accepted.

COLLEGE ACADEMIC STANDARDS— PROFESSIONAL PREREQUISITES

Students must receive a grade of C– or better in selected professional prerequisites, as delineated below:

- Athletic Training: BIOL, CHEM, MATH, PHSC, PHYS
- Cardiopulmonary and Exercise Sciences: BIOL, CHEM, MATH, PHSC, PHYS
- Health Science: BIOL, CHEM, MATH
- Medical Laboratory Science: BIOL, CHEM, MATH, PHYS
- Nursing: BIOL, CHEM, MATH; *a grade of C or better is required for PSYC 3404*
- Pharmacy: BIOL, CHEM, MATH, PHYS
Pharmacy students must receive a grade of C or better in professional prerequisites beginning in the second year of the curriculum.
- Physical Therapy: BIOL, CHEM, EXSC, MATH, PHYS, PSYC
Effective with the fall 2006 entering class, physical therapy

students must receive a grade of C or better in professional prerequisites beginning in the second year of the curriculum.

- Speech-Language Pathology and Audiology: BIOL, MATH, PHYS, PSYC 1101

Courses in the above-listed subjects that are taken as electives are exempt from the C– or better rule and the University’s minimum satisfactory grade will be accepted.

COLLEGE ACADEMIC STANDARDS—ALL OTHER COURSES

The University’s minimum passing grade for the course will be accepted. *Please note:* The University requires a minimum grade of C for ENGL 1111 and ENGL 3306.

PROGRESSION WITHIN BOUVÉ

- First-year students must complete at least 27 semester hours and meet all major prerequisite course requirements in order to progress to sophomore status. First-year students who earn fewer than the semester hours stipulated by the curriculum plan for their major must make up the difference prior to graduation.
- In order to progress into the subsequent year of professional courses, students must have completed all professional prerequisites with a grade of C– or better (except for pharmacy and physical therapy, which require a C in professional prerequisites beginning in the second year).
- In order to progress into the subsequent semester of professional courses, students must have completed all professional courses with a grade of C or better.
- Effective with the fall 2009 entering class, pharmacy students must receive a grade of C or better in professional prerequisites beginning in the second year, have satisfactorily completed all courses in years one and two of the curriculum, and have an overall GPA of 2.700 or better to progress from second- to third-year status. In addition, students must demonstrate good verbal and written communication skills, understanding of the pharmacy profession, and a commitment to patient care, based on criteria set by the Doctor of Pharmacy Program.
- Physical therapy students, effective with the fall 2010 entering class, must receive a grade of C or better in professional prerequisites beginning in the second year, have satisfactorily completed all courses in years one and two of the curriculum, and have an overall GPA of 2.700 or better to progress from second- to third-year status. They must maintain a GPA of 2.700 or better to remain in the program. In addition, students must maintain a 3.000 overall GPA during the graduate phase of the Doctor of Physical Therapy (DPT) program in order to progress and receive their doctorate in physical therapy.
- Physical therapy students, effective with the fall of 2006–2009 entering classes, must receive a grade of C or better in professional prerequisites beginning in the second year and have a 2.700 overall GPA to enter the graduate phase of the DPT program. Students must maintain a 3.000 overall GPA during the graduate phase of the DPT program in order to progress and graduate with the DPT.

- Students who incur an incomplete grade in a prerequisite course must obtain approval from their academic advisor, upon consultation with the department faculty, prior to progression into the subsequent course(s).
- Students dismissed administratively from the English Language Center are not eligible for the Bouvé program to which they were conditionally admitted.

CRITERIA FOR UNIVERSITY ACADEMIC PROBATION

Note: Notation of academic probation will appear on internal record but not on permanent transcript.

Students in the Bouvé College of Health Sciences will be placed on academic probation effective the following academic semester for any of the reasons noted below:

First-year Students:

- Not earning at least 12 semester hours in the second semester of the first year.
- Not maintaining an overall cumulative GPA of at least 1.800 at the end of the two semesters of the first-year curriculum.

Upperclass and Transfer Students:

Not earning at least 12 semester hours in the semester just completed. Not maintaining an overall cumulative GPA of at least 2.000 at the end of each academic semester.

ACADEMIC DISMISSAL FROM MAJOR

Students in the Bouvé College of Health Sciences will be dismissed from their major effective the following academic semester for any of the reasons noted below:

- Failure to earn a grade of C or better in three professional courses, regardless of remediation. Lecture and clinical/lab components for the same class are considered as *one* professional course failure.
- Effective with the fall 2008 entering class for nursing students, failure to earn a grade of C or better in two professional/clinical courses, regardless of remediation.
- Effective with the fall 2009 entering class for pharmacy students, failure to satisfy academic progression standards.
- Failure to earn the minimum required grade in the same course twice.

Note: Students dismissed from their major but who are otherwise in good standing with the University are allowed to remain at Northeastern University for up to two semesters as a provisional Bouvé student, by the end of which the student is expected to move into a new major. Otherwise, the student will be dismissed from the University.

ACADEMIC DISMISSAL FROM UNIVERSITY

Students who remain on probation after two academic semesters may be dismissed from the University. Notation of this academic dismissal action will appear on the permanent transcript.

ACADEMIC APPEALS

Students who believe that they were erroneously, capriciously, or otherwise unfairly treated in an academic or cooperative education decision may petition to appeal the decision. Refer to the *Bouvé Undergraduate Student Manual*, which details the Bouvé College of Health Sciences Appeals Process, and the *Northeastern University Student Handbook*, which details the University Undergraduate Student Academic Appeals Procedures.

HEALTH SCIENCES

www.northeastern.edu/bouve/programs/bhealthsci.html

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The Department of Health Sciences offers a BS degree program in health science and minors in exercise physiology and in health science.

Health Science

The rapidly changing health system is creating a demand for broadly educated graduates possessing a strong understanding of health, health care, and community-service-related issues. Individuals with these skills are needed by public and private agencies, public health services, hospitals and other nonprofit and for-profit companies, and health-related organizations. The health science major is a preprofessional program designed to provide students with the appropriate background and preparation for entry into graduate and professional programs such as: medicine, dentistry, veterinary medicine, public health, physician assistant, exercise physiology, and social work. The major is also designed for students who are seeking a general preparation for positions in health promotion, health administration, and community-based public health.

The health science curriculum is an integrated model that builds upon a foundation of the social sciences, natural sciences, and the liberal arts. All health science students have the option to complete the program with or without a co-op experience. Health science students complete an array of major courses that introduce them to the health-care system in the United States and provide them with the opportunity to develop an understanding of health policy and administration, health research, quality-of-care improvement and evidence-based health care. The curriculum includes a significant number of electives designed to enrich students' intellectual lives. Students will have an opportunity to identify a specific area of interest and may use the electives to

explore a declared focus or a formal minor that complements their health science studies. The entire academic experience is drawn together through a capstone project during the senior year. The capstone project is intended to provide students with a structured opportunity to broaden, deepen, and integrate the knowledge and skills acquired in prior courses and experiential activities.

Minor in Health Science

The minor in health science is designed for undergraduate students from any discipline across the University wishing to expand and apply their understanding in public-health-related areas. The minor comprises five courses (20 credits) selected from courses offered within the health sciences major. The selection of courses is done in consultation with the health science program faculty.

Minor in Exercise Physiology

This minor in exercise physiology is for undergraduate students from any discipline across the University wishing to expand their understanding of human physiology. Exercise physiology is a discipline that examines the short- and long-term responses to exercise and benefits of exercise training for healthy persons as well as persons with chronic diseases such as heart disease, pulmonary diseases, diabetes, obesity, etc. Undergraduate students from many disciplines could broaden their understanding of human physiology and the role of exercise in health promotion, disease prevention, and rehabilitation with a minor in exercise physiology. Students who elect a minor in exercise physiology may then apply to the MS in clinical exercise physiology upon graduation.

BS in Health Science

Note: Students pursuing premed track should consult advisor for additional guidance.

YEAR 1

American Health Care

Complete the following course:

PHTH 1260	The American Health-Care System	4 SH
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Freshman Seminar

Complete the following course:

HSCI 1000	College: An Introduction	1 SH
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General Biology 1 and 2

Complete the following two courses with corresponding labs:

BIOL 1111	General Biology 1	4 SH
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with BIOL 1112	Lab for BIOL 1111	1 SH
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BIOL 1113	General Biology 2	4 SH
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with BIOL 1114	Lab for BIOL 1113	1 SH
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Mathematics

Complete the following course:

MATH 1241	Calculus 1	4 SH
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General Chemistry 1

Complete one of the following courses with corresponding lab:

CHEM 1101	General Chemistry for Health Sciences	4 SH
with CHEM 1102	Lab for CHEM 1101	1 SH
CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

General Chemistry 2

Complete one of the following courses with corresponding lab:

CHEM 1104	Organic Chemistry for Health Sciences	4 SH
with CHEM 1105	Lab for CHEM 1104	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Foundations of Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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College Writing

Complete the following course with a grade of C or higher:

ENGL 1111	College Writing	4 SH
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YEAR 2**Community and Public Health**

Complete the following course:

PHTH 2350	Community and Public Health	4 SH
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Anatomy and Physiology 1 and 2

Complete the following two courses with corresponding labs:

BIOL 1117	Integrated Anatomy and Physiology 1	4 SH
with BIOL 1118	Lab for BIOL 1117	1 SH
BIOL 1119	Integrated Anatomy and Physiology 2	4 SH
with BIOL 1120	Lab for BIOL 1119	1 SH

Statistics and Software

Complete the following course:

MATH 2280	Statistics and Software	4 SH
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Nutrition

Complete the following course:

HSCI 1105	Nutrition	4 SH
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Professional Development for Co-op

Complete the following course:

HSCI 2000	Professional Development for Bouvé Co-op	1 SH
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Basic Clinical Skills

Complete the following course with corresponding lab:

HLTH 1200	Basic Skills for the Health-Care Professional	2 SH
with HLTH 1201	Lab for HLTH 1200	1 SH

YEAR 3 (4-YEAR OPTION)**YEARS 3 AND 4 (5-YEAR CO-OP OPTION)****Advanced Writing in the Health Professions**

Complete the following course with a grade of C or higher:

ENGL 3306	Advanced Writing in the Health Professions	4 SH
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Communications for Health Professions

Complete the following course:

COMM 3201	Health Communication	4 SH
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Health-Care Research

Complete the following course:

HLTH 5450	Health-Care Research	4 SH
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Moral Problems of Medicine

Complete the following course:

PHIL 1165	Moral and Social Problems in Health Care	4 SH
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FINAL YEAR**Race, Ethnicity, and Health (Comparative Study of Cultures)**

Complete the following course (which satisfies the NU Core comparative study of cultures requirement):

PHTH 5120	Race, Ethnicity, and Health in the United States	4 SH
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Health-Care Management

Complete the following course:

PHTH 4511	Health-Care Management	4 SH
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Health Policy

Complete the following course:

PHTH 4515	Health Policy: Public Health in Crisis	4 SH
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Health Education and Program Planning

Complete the following course:

PHTH 5540	Health Education and Program Planning	4 SH
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Health Science Capstone Project

Complete the following course:

HSCI 4710	Health Science Capstone	4 SH
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ELECTIVES

Complete nine general electives.

HEALTH SCIENCE MAJOR GRADE REQUIREMENT

A grade of C or higher is required in all health science courses.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

135 total semester hours required

Minimum 2.000 GPA required

BS in Health Science/MPH—Master of Public Health

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

Minor in Health Science

REQUIRED COURSES

Complete five courses from the following list:

HLTH 5450	Health-Care Research	4 SH
HSCI 1105	Nutrition	4 SH
PHTH 1260	The American Health-Care System	4 SH
PHTH 2300	Communication Skills for the Health Professions	4 SH
PHTH 2350	Community and Public Health	4 SH
PHTH 4511	Health-Care Management	4 SH
PHTH 4515	Health Policy: Public Health in Crisis	4 SH
PHTH 5120	Race, Ethnicity, and Health in the United States	4 SH
PHTH 5540	Health Education and Program Planning	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Exercise Physiology

A minimum grade of C is required in all courses taken toward the minor.

REQUIRED COURSES

Complete the following five courses with corresponding labs, as indicated:

HLTH 1200	Basic Skills for the Health-Care Professional	2 SH
with HLTH 1201	Lab for HLTH 1200	1 SH
EXSC 4500	Exercise Physiology 1	4 SH
with EXSC 4501	Lab for EXSC 4500	1 SH
EXSC 4502	Exercise Testing and Prescription	4 SH
EXSC 4504	Clinical Kinesiology	4 SH
EXSC 6220	Exercise Physiology	3 SH

GPA REQUIREMENT

2.000 GPA required in the minor

PHYSICAL THERAPY

www.northeastern.edu/bouve/programs/dptundergrad.html

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The physical therapy program has a long and rich history as one of the oldest accredited programs in the United States. Our mission is to foster the development of health-care professionals who practice the values of integrity, professional duty, social responsibility, excellence, accountability, altruism, caring, and compassion. Through our unique approach to learning, which includes cooperative education, we offer a rich environment that promotes lifelong personal and professional development to generate new knowledge through research, clinical practice, and innovation. Graduates of our program are reflective, evidence-based practitioners who provide quality care and are capable of responding to the changing needs of a complex world.

Features of the Doctor of Physical Therapy Program

The program in physical therapy has three admission points: freshman, transfer, or as a graduate student with a baccalaureate degree in any field. The duration of the program is six years for freshman entry, four years for transfer or postbaccalaureate entry. The terminal degree for the program is the Doctor of Physical Therapy (DPT) degree. Our entry-level Doctor of Physical Therapy program is one of the few freshman entry programs in the country. Students do not need to reapply to the DPT phase of the program, provided they meet the academic standards.

Emphasis on Experiential Learning

Our DPT program provides you with one year of experiential learning in addition to the required clinical affiliations necessary for licensure. Through cooperative education, the hallmark of Northeastern University, students are able to integrate semesters of academic study with semesters of cooperative education experiences in hospitals and clinics throughout the country and around the globe. Students may be employed as physical therapy co-op students with increasing responsibilities commensurate with their academic studies, or they may perform other health-related duties.

The curriculum also includes thirty weeks of clinical education under the direct supervision of a licensed physical therapist. We are affiliated with world-class medical centers and clinical sites throughout the United States, providing students with access to master clinicians and clinical scholars. Every effort is made to accommodate individual circumstances, but students

should be prepared to travel out of state for two of the three clinical placements. Availability of a car may be required, as most sites are not accessible by public transportation. All expenses associated with clinical education, including travel and housing, are the responsibility of the student.

Graduate Student Research

Graduate research opportunities are integrated into the curriculum. Students also have the opportunity to work with faculty to conduct ongoing research in world-renowned medical centers, in the Department of Physical Therapy Virtual Reality and Motion Lab, and to participate in community service-learning.

Global Outreach

Students have multiple opportunities to enrich their education through global outreach and education. Physical therapy students can elect to go abroad for a cooperative education experience. To date, physical therapy students have worked in Nepal, Peru, Costa Rica, and South Africa. In the latter portion of the curriculum, students can participate in short cultural immersion experiences abroad whereby they engage in community service projects under the direction of a physical therapy faculty member.

Ability to Minor in Another Field

Physical therapy students can work with their academic advisor to develop a schedule that allows them to minor in another field such as psychology or exercise physiology.

Progression in the Program

To progress in the program, students must maintain acceptable standards of scholarship and academic performance as stated in the academic requirements section of this catalog. Students must develop appropriate motor skills, professional behavior, and emotional maturity.

The program in physical therapy is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association.

Graduates of the Doctor of Physical Therapy program are eligible to sit for the Physical Therapy Licensure Examination.

DPT—Doctor of Physical Therapy

Note: “TBD” stands for “to be determined.”

YEAR 1

Introduction to College

Complete the following course:

PT 1000	College: An Introduction	1 SH
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Introductory English

Complete the following course with a grade of C or higher:

ENGL 1111	College Writing	4 SH
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Mathematics

Complete the following course:

MATH 1241	Calculus 1	4 SH
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Psychology

Complete the following two courses:

PSYC 1101	Foundations of Psychology	4 SH
PSYC 3404	Developmental Psychology	4 SH

Chemistry

Complete the following two courses with corresponding labs and recitations:

CHEM 1101	General Chemistry for Health Sciences	4 SH
with CHEM 1102	Lab for CHEM 1101	1 SH
CHEM 1104	Organic Chemistry for Health Sciences	4 SH
with CHEM 1105	Lab for CHEM 1104	1 SH

Free Electives

Complete any two courses outside physical therapy. Only one remedial or education course may be applied to the entire program.

YEAR 2

Professional Development

Complete the following course:

PT 2000	Professional Development Co-op	1 SH
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Anatomy and Physiology

Complete the following two courses with corresponding labs:

BIOL 1117	Integrated Anatomy and Physiology 1	4 SH
with BIOL 1118	Lab for BIOL 1117	1 SH
BIOL 1119	Integrated Anatomy and Physiology 2	4 SH
with BIOL 1120	Lab for BIOL 1119	1 SH

Physics

Complete the following two courses with corresponding labs:

PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
PHYS 1147	Physics for Life Sciences 2	4 SH
with PHYS 1148	Lab for PHYS 1147	1 SH

Statistics

Complete the following course:

MATH 2280	Statistics and Software	4 SH
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Physical Therapy Foundations

Complete the following two courses with corresponding lab:

PT 5101	Foundations of Physical Therapy	3 SH
with PT 5102	Lab for PT 5101	1 SH
HLTH 2240	Human Development	2 SH

Free Electives

Complete any three courses outside physical therapy. Only one remedial or education course may be applied to the entire program.

YEAR 3

Gross Anatomy

Complete the following course with corresponding lab:

PT 5131	Gross Anatomy	4 SH
with PT 5132	Lab for PT 5131	1 SH

Kinesiology

Complete the following course with corresponding lab:

PT 5133	Kinesiology	3 SH
with PT 5134	Lab for PT 5133	1 SH

Professional Seminar

Complete the following course:

TBD	(pending approval)	
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Psychosocial Management

Complete the following course:

TBD	(pending approval)	
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Therapeutic Modalities

Complete the following course with corresponding lab:

PT 5104	Therapeutic Modalities	1 SH
with PT 5105	Lab for PT 5104	1 SH

Exercise Physiology

Complete the following course:

EXSC 4500	Exercise Physiology 1	4 SH
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Pharmacology

Complete the following course:

PHSC 4340	Pharmacology for the Health Professions	4 SH
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Pathology

Complete the following course:

PT 5140	Pathology	4 SH
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Motor Control

Complete the following course with corresponding lab:

PT 5170	Motor Control	3 SH
with PT 5171	Lab for PT 5170	1 SH

Neuroscience

Complete the following course with corresponding lab:

PT 5138	Neuroscience	4 SH
with PT 5139	Lab for PT 5138	1 SH

YEAR 4**Health-Care Research**

Complete the following course with applicable recitation:

HLTH 5450	Health-Care Research	4 SH
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Cardiovascular Pulmonary Management

Complete the following course with corresponding lab:

PT 5503	Cardiovascular and Pulmonary Management	4 SH
with PT 5504	Lab for PT 5503	1 SH

Musculoskeletal Management 1

Complete the following course with corresponding lab:

PT 5505	Musculoskeletal Management 1	4 SH
with PT 5506	Lab for PT 5505	1 SH

Integumentary System and Advanced Modalities

Complete the following course with corresponding lab:

PT 5515	Integumentary Systems and Advanced Modalities	2 SH
with PT 5516	Lab for PT 5515	1 SH

Clinical Integration 1: Evidence and Practice

Complete the following course with corresponding lab:

PT 5520	Clinical Integration 1: Evidence and Practice	2 SH
with PT 5521	Case Studies for PT 5520	1 SH

Advanced Writing in the Disciplines

Complete the following course with a grade of C or higher:

ENGL 3306	Advanced Writing in the Health Professions	4 SH
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YEAR 5—FALL, SPRING**Physical Therapy Project 1**

Complete the following course:

PT 5227	Physical Therapy Project 1	3 SH
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Assistive Technology

Complete the following course with corresponding lab:

PT 6215	Assistive Technology	3 SH
with PT 6216	Lab for PT 6215	1 SH

Neurological Management

Complete the following two courses with corresponding labs:

PT 5209	Neurological Management 1	4 SH
with PT 5210	Lab for PT 5209	1 SH
PT 6221	Neurological Management 2	4 SH
with PT 6222	Lab for PT 6221	1 SH

Administration

Complete the following course:

PT 6219	Physical Therapy Administration	4 SH
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Health Assessment

Complete the following course with applicable recitation:

PT 6243	Health Assessment and Wellness	3 SH
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Physical Therapy Project 2

Complete the following course:

PT 5229	Physical Therapy Project 2	2 SH
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Professional Seminar 2

Complete the following course:

PT 5226	Physical Therapy Professional Seminar 2	2 SH
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Integrative Physical Therapy Practice

Complete the following course:

PT 5228	Integrative Physical Therapy Practice	2 SH
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Musculoskeletal Management 2

Complete the following course with corresponding lab:

PT 6223	Musculoskeletal Management 2	4 SH
with PT 6224	Lab for PT 6223	1 SH

Graduate Elective

Complete one graduate elective.

YEAR 5—SUMMER**Physical Therapy Business Management**

Complete the following course:

PT 5351	Physical Therapy Business Management	2 SH
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Clinical Education 1

Complete the following course:

PT 6441 Clinical Education 1 6 SH

Differential Diagnosis

Complete the following course:

PT 6240 Differential Diagnosis in Physical Therapy 3 SH

Advanced Topics

Complete one course from the following list:

PT 6231 to PT 6237

YEAR 6**Clinical Education 2**

Complete the following ten-week clinical:

PT 6442 Clinical Education 2 6 SH

Clinical Education 3

Complete the following twelve-week clinical:

PT 6448 Clinical Education 3 9 SH

Diagnostic Imaging

Complete the following course:

PT 6251 Diagnostic Imaging 3 SH

PHYSICAL THERAPY MAJOR GRADE REQUIREMENT

A grade of C or higher is required in all physical therapy courses.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

209 total semester hours required

Minimum 2.000 GPA required

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGYwww.northeastern.edu/bouve/programs/bspeechpath.html

RALF W. SCHLOSSER, PHD

Professor and Chair

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ka.o'brien@neu.edu

Speech-language pathologists and audiologists are involved with the evaluation and treatment of, and counseling and research in, human communication and its disorders. The Speech-Language

Pathology and Audiology program is designed to help students develop entry-level competencies that will enable them to function in a preprofessional capacity in educational settings, medical and rehabilitation centers, and private practice clinics. Students will be exposed to a wide variety of communication disorders through observation and participation in activities at the Northeastern University Speech-Language and Hearing Center. This is a state-of-the-art facility in the Behrakis Health Sciences building. Alongside their graduate student mentors, students are introduced to the basics of clinical practice and research. Co-ops in schools, hospitals, or other relevant settings are designed to broaden students' exposure and help prepare them for graduate study or employment. Students may also broaden their knowledge of health care practice by taking interdisciplinary courses with their colleagues in disciplines such as physical therapy, nursing, and pharmacy.

Speech-language pathologists and audiologists provide clinical services to a full range of communicatively impaired individuals, from infants through geriatrics. Speech-language pathologists treat disorders such as developmental language and articulation disorders; voice and resonance problems; stuttering; pediatric and adult swallowing disorders; and language and cognitive impairments due to stroke, head injury, and progressive neurological diseases. Audiologists specialize in the prevention, identification, assessment, and rehabilitation of hearing disorders. Individuals with congenital and acquired hearing impairments are seen for services by audiologists. They prescribe and dispense hearing aids and instruct individuals in the use of amplification. Undergraduate students take courses in both speech-language pathology and audiology in preparation for advanced training and specialization at the graduate level.

The Bachelor of Science degree program in speech-language pathology and audiology includes an experiential learning component, a broad-based academic core, and the scientific and clinical course work necessary for understanding normal and disordered communication. The degree offers preprofessional training for individuals who want to pursue graduate education in speech-language pathology and audiology. Alternately, graduates may be hired as speech and hearing assistants in a variety of clinical settings, or they may pursue other career paths in health care and education.

The speech-language pathology and audiology curriculum is designed to facilitate critical thinking, information literacy, and oral and written communication skills. In addition to course work in the basic communication sciences, course work is required in education, allied health, computer literacy, ethics, multicultural/diversity issues, and psychology. The curriculum provides a solid foundation in speech-language pathology and audiology and basic sciences, and it is sufficiently flexible to provide students with the opportunity to minor in an area of related interest. By taking five courses in the standard curriculum, students may earn a minor in psychology.

A unique aspect of the speech-language pathology and audiology program is a five-year accelerated program. Students

who have maintained a GPA of 3.250 or better, who have a departmental endorsement, and who have satisfied all graduate program admissions requirements may seek admission to this program in their third year. Students will, if successful, earn both a BS in speech-language pathology and audiology and an MS in speech-language pathology at the end of the program and meet national certification requirements. The accelerated program is selective because of the intensity of the combined program.

Academic Progression Standards

In order to progress from the freshman to sophomore year, the student must have a GPA of at least 1.800 and have completed 27 semester hours. In order to progress into the subsequent year of professional courses, the student must have a grade of C or better in all professional courses.

BS in Speech-Language Pathology and Audiology

SEMESTER 1

Freshman Seminar

Complete the following course:

HSCI 1000	College: An Introduction	1 SH
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Anatomy and Physiology 1

Complete the following course with corresponding lab:

BIOL 1117	Integrated Anatomy and Physiology 1	4 SH
with BIOL 1118	Lab for BIOL 1117	1 SH

Introductory English

Complete the following course with a grade of C or higher:

ENGL 1111	College Writing	4 SH
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Calculus

Complete the following course:

MATH 1241	Calculus 1	4 SH
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Introduction to Speech and Hearing

Complete the following course:

SLPA 1101	Introduction to Speech and Hearing	4 SH
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SEMESTER 2

Anatomy and Physiology 2

Complete the following course with corresponding lab:

BIOL 1119	Integrated Anatomy and Physiology 2	4 SH
with BIOL 1120	Lab for BIOL 1119	1 SH

Foundations of Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Language Development

Complete the following course:

SLPA 1102	Language Development	4 SH
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General Elective

Complete one course outside speech-language pathology and audiology. A course toward an approved minor may be selected to satisfy this requirement.

SEMESTER 3

Phonetics

Complete the following course:

SLPA 1200	Phonetics	4 SH
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Introduction to Co-op

Complete the following course:

SLPA 2000	Introduction to Co-op	1 SH
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Developmental Psychology

Complete the following course:

PSYC 3404	Developmental Psychology	4 SH
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Physics 1

Complete the following course with corresponding lab:

PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH

General Elective

Complete one course outside speech-language pathology and audiology. A course toward an approved minor may be selected to satisfy this requirement.

SEMESTER 4

Advanced Writing in the Disciplines

Complete the following course with a grade of C or higher:

ENGL 3306	Advanced Writing in the Health Professions	4 SH
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Statistics and Software

Complete the following course:

MATH 2280	Statistics and Software	4 SH
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Cognition

Complete the following course:

PSYC 3466	Cognition	4 SH
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Directed Observation Workshop

Complete the following course:

SLPA 4700	Directed Observation Workshop	1 SH
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Education Elective

Complete one course from the following list or an alternative education course:

PSYC 2358	Behavior Therapies	4 SH
PSYC 3450	Learning and Motivation	4 SH

SEMESTER 5 (SUMMER)

Comparative Study of Cultures

Complete the following course (which satisfies the NU Core comparative study of cultures requirement):

ANTH 1101	Peoples and Cultures	4 SH
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or complete any course that satisfies the NU Core comparative study of cultures requirement.

General Elective

Complete one course outside speech-language pathology and audiology. A course toward an approved minor may be selected to satisfy this requirement.

SEMESTER 6**Health-Care Research**

Complete the following course:

HLTH 5450	Health-Care Research	4 SH
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Speech and Hearing Science

Complete the following course:

SLPA 1205	Speech and Hearing Science	4 SH
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Introduction to Audiology

Complete the following course:

SLPA 1203	Introduction to Audiology	4 SH
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Anatomy and Physiology of the Vocal Mechanism

Complete the following course:

SLPA 1103	Anatomy and Physiology of the Vocal Mechanism	4 SH
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SEMESTER 7 (SUMMER)**General Electives**

Complete two courses outside speech-language pathology and audiology. Courses toward an approved minor may be selected to satisfy this requirement.

SEMESTER 8**Language Disorders**

Complete the following course:

SLPA 4500	Language Disorders in Adults	4 SH
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Aural Rehabilitation

Complete the following course:

SLPA 6219	Aural Rehabilitation	3 SH
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Clinical Procedures

Complete the following course:

SLPA 5107	Clinical Procedures	3 SH
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Psychology Elective

Complete one course in the Department of Psychology.

SEMESTER 9**Communication Skills for the Health Professions**

Complete one of the following courses:

COMM 3201	Health Communication	4 SH
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PHTH 2300	Communication Skills for the Health Professions	4 SH
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Moral Problems in Medicine

Complete one of the following courses:

HSCI 4510	Health-Care Ethics	4 SH
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PHIL 1165	Moral and Social Problems in Health Care	4 SH
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Early Intervention

Complete the following course:

HLTH 5105	Introduction to Early Intervention	4 SH
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Seminar in Speech-Language Pathology and Audiology

Complete the following course:

SLPA 4650	Seminar in SLP and Audiology	4 SH
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SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY GRADE REQUIREMENT

A grade of C or higher is required in all SLPA courses.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

132 total semester hours required

Minimum 2.000 GPA required

BS/MS in Speech-Language Pathology and Audiology**SEMESTER 1****Freshman Seminar**

Complete the following course:

HSCI 1000	College: An Introduction	1 SH
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Anatomy and Physiology 1

Complete the following course with corresponding lab:

BIOL 1117	Integrated Anatomy and Physiology 1	4 SH
with BIOL 1118	Lab for BIOL 1117	1 SH

Introductory English

Complete the following course with a grade of C or higher:

ENGL 1111	College Writing	4 SH
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Calculus

Complete the following course:

MATH 1241	Calculus 1	4 SH
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Introduction to Speech and Hearing

Complete the following course:

SLPA 1101	Introduction to Speech and Hearing	4 SH
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SEMESTER 2**Anatomy and Physiology 2**

Complete the following course with corresponding lab:

BIOL 1119	Integrated Anatomy and Physiology 2	4 SH
with BIOL 1120	Lab for BIOL 1119	1 SH

Foundations of Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Language Development

Complete the following course:

SLPA 1102	Language Development	4 SH
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General Elective

Complete one course outside speech-language pathology and audiology. A course toward an approved minor may be selected to satisfy this requirement.

SEMESTER 3**Phonetics**

Complete the following course:

SLPA 1200	Phonetics	4 SH
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Introduction to Co-op

Complete the following course:

SLPA 2000	Introduction to Co-op	1 SH
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Developmental Psychology

Complete the following course:

PSYC 3404	Developmental Psychology	4 SH
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Physics 1

Complete the following course with corresponding lab:

PHYS 1145	Physics for Life Sciences 1	4 SH
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with PHYS 1146	Lab for PHYS 1145	1 SH
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General Elective

Complete one course outside speech-language pathology and audiology. A course toward an approved minor may be selected to satisfy this requirement.

SEMESTER 4**Advanced Writing in the Disciplines**

Complete the following course with a grade of C or higher:

ENGL 3306	Advanced Writing in the Health Professions	4 SH
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Statistics and Software

Complete the following course:

MATH 2280	Statistics and Software	4 SH
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Cognition

Complete the following course:

PSYC 3466	Cognition	4 SH
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Directed Observation Workshop

Complete the following course:

SLPA 4700	Directed Observation Workshop	1 SH
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Education Elective

Complete one course from the following list or an alternative education course:

PSYC 2358	Behavior Therapies	4 SH
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PSYC 3450	Learning and Motivation	4 SH
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SEMESTER 5 (SUMMER)**Comparative Study of Cultures**

Complete the following course (which satisfies the NU Core comparative study of cultures requirement):

ANTH 1101	Peoples and Cultures	4 SH
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or complete any course that satisfies the NU Core comparative study of cultures requirement.

General Elective

Complete one course outside speech-language pathology and audiology. A course toward an approved minor may be selected to satisfy this requirement.

SEMESTER 6**Health-Care Research**

Complete the following course:

HLTH 5450	Health-Care Research	4 SH
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Speech and Hearing Science

Complete the following course:

SLPA 1205	Speech and Hearing Science	4 SH
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Introduction to Audiology

Complete the following course:

SLPA 1203	Introduction to Audiology	4 SH
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Anatomy and Physiology of the Vocal Mechanism

Complete the following course:

SLPA 1103	Anatomy and Physiology of the Vocal Mechanism	4 SH
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SEMESTER 7 (SUMMER)**General Electives**

Complete two courses outside speech-language pathology and audiology. Courses toward an approved minor may be selected to satisfy this requirement.

SEMESTER 8**Articulation/Phonology**

Complete the following course:

SLPA 6305	Articulation and Phonology	3 SH
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Neurology of Communication

Complete the following course:

SLPA 5109	Neurology of Communication	3 SH
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Speech-Language Disorders in Children

Complete the following course:

SLPA 6306	Speech-Language Disorders in Children	3 SH
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Clinical Procedures

Complete the following course:

SLPA 5107	Clinical Procedures	3 SH
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Diagnostic Testing in Speech-Language Pathology

Complete the following course:

SLPA 5201	Diagnostic Testing in Speech-Language Pathology	1 SH
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SEMESTER 9**Speech-Language Disorders in Adults**

Complete the following course:

SLPA 6309	Speech-Language Disorders in Adults	3 SH
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Research and Evidence-Based Practice

Complete the following course:

SLPA 6211	Research and Evidence-Based Practice	3 SH
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Speech Science

Complete the following course:

SLPA 6301	Speech Science	3 SH
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SLP Seminar

Complete the following course:

SLPA 6414	Speech-Language Pathology Clinic Seminar	1 SH
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SLP Clinic 1

Complete the following course:

SLPA 6415	Speech-Language Pathology Advanced Clinical Practicum 1	3 SH
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SEMESTER 10 (SUMMER)**SLP Clinic 2**

Complete the following course:

SLPA 6416	Speech-Language Pathology Advanced Clinical Practicum 2	2 SH
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Undergraduate General Elective

Complete one undergraduate course outside speech-language pathology and audiology. A course toward an approved minor may be selected to satisfy this requirement.

SEMESTER 11**Dysphagia**

Complete the following course:

SLPA 6308	Dysphagia	3 SH
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Voice Disorders

Complete the following course:

SLPA 6307	Voice Disorders	3 SH
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SLP Clinic 3

Complete the following course:

SLPA 6417	Speech-Language Pathology Advanced Clinical Practicum 3	2 SH
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Aural Rehabilitation

Complete the following course:

SLPA 6219	Aural Rehabilitation	3 SH
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Graduate General Elective

Complete one graduate course outside speech-language pathology and audiology. A course toward an approved minor may be selected to satisfy this requirement.

SEMESTER 12**Stuttering**

Complete the following course:

SLPA 6303	Stuttering	3 SH
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Augmentative and Alternative Communication

Complete the following course:

SLPA 6304	Augmentative and Alternative Communication	3 SH
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SLP Clinic 4

Complete the following course:

SLPA 6418	Speech-Language Pathology Advanced Clinical Practicum 4	2 SH
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Motor Speech Disorders

Complete the following course:

SLPA 6321	Motor Speech Disorders	3 SH
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Language Literacy

Complete the following course:

SLPA 6322	Language Literacy	3 SH
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SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY GRADE REQUIREMENT

A grade of C or higher is required in all SLPA courses.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

162 total semester hours required

Minimum 2.000 GPA required for undergraduate courses

Minimum 3.000 GPA required for graduate courses

Minor in Early Intervention

Restricted to students in the BS degree program in speech-language pathology and audiology.

REQUIRED COURSES

Complete the following six courses:

CAEP 5150	Early Intervention: Family Systems	3 SH
CAEP 5151	Early Intervention: Infant and Toddler Development, Risk, and Disability	3 SH
CAEP 5152	Early Intervention: Planning and Evaluating Services	3 SH
CAEP 8425	Early Intervention Practicum 1	2 SH
CAEP 8426	Early Intervention Practicum 2	2 SH
SLPA 5150	Early Intervention: Assessment and Intervention	3 SH

GPA REQUIREMENT

2.000 GPA required in the minor

SCHOOL OF NURSING

www.bouve.neu.edu/nursing

CAROLE A. KENNER, PhD/DNS, RNC-NIC, FAAN

Professor and Dean

LYNN BABINGTON, PhD, RN

Associate Professor and Interim Director of Graduate Programs

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Clinical Instructor and Interim Director of Undergraduate Programs

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The School of Nursing offers a Bachelor of Science in nursing program designed to prepare students to become professional nurses for practice in a variety of health-care settings such as hospitals, community health centers, schools, and homes. The school aims to provide all students—including those with diverse backgrounds and changing career goals—with a broad-based education that will foster ongoing personal and professional growth.

Successful completion of the baccalaureate program enables graduates to take the National Council Licensing Examination (NCLEX-RN) to become registered nurses (see also “Special Requirements,” below) and also seeks to provide the educational background needed for graduate study in nursing specialties.

Nursing is both a science-based process and a caring art. The curriculum offers instruction in the sciences with opportunities in the humanities. Since nursing practice focuses on promoting, preserving, and restoring the health and well-being of individuals, families, groups, and communities across the life span, the curriculum emphasizes a community-based, primary-care approach, which builds throughout the program. This approach requires knowledge, skills, and attitudes related to health care that are comprehensive, culturally sensitive, continuous, effective, compassionate, and collaborative. Because the vast majority of people’s lives are spent in the community, a significant part of the clinical program takes place in the community where people live, work, rest, play, vote, and pray. Recognizing the equally important need to prepare nurses to care for ill patients in institutions, the program provides ample opportunities for nursing practice in hospitals, rehabilitation centers, and long-term-care facilities. The curriculum is capped by courses that enable students to put leadership and management skills into action and to synthesize the complete role of the professional nurse in a clinical practicum.

In addition to completing academic course work, students must meet the cooperative education requirement, which gives them the opportunity to integrate the theory and practice of nursing in selected settings. Through numerous community and

institutional health-care agencies in Greater Boston and across the country, students gain experience in providing nursing care to a variety of patients and families. Students learn that nurses have major roles in wellness and health promotion, acute care, and long-term care.

The program is accredited by the Commission on Collegiate Nursing Education and is approved by the Board of Registration in Nursing of the Commonwealth of Massachusetts (BORN). Accreditation and approval indicate that the program meets educational standards for faculty, curriculum design, student quality, and overall University support. The school subscribes to the standards established by the American Association of Colleges of Nursing, of which it is a member.

Special Requirements

All students must receive a health clearance from University Health and Counseling Services (UHCS). This is based on documentation of evidence of immunity from infectious disease and a physical examination (this may be done by the student’s own health care provider). In addition, nursing students need a clinical clearance in order to participate in clinical courses. Clinical clearance includes verification of UHCS health clearance and also documentation of current certification in cardiopulmonary resuscitation (CPR), recent tuberculosis screening (PPD), and additional health screenings as may be required by the program. It is the responsibility of the student to stay current and to provide documentation required for clinical clearance throughout the entire nursing program.

Most clinical settings also require additional information from the student, such as a Criminal Offender Record Information (CORI) release; the school will inform the student in those instances.

Students enrolled in the clinical courses may need access to a car to travel to assigned agencies. Students are responsible for their own transportation costs.

During academic semesters, students in the School of Nursing are required to wear the approved school uniform in some clinical laboratory areas.

In Massachusetts and several other states, the registering board requires that graduates sitting for the NCLEX-RN licensure examination meet standards of “good moral character.” Students may review Licensure Policy No. 99-03 under “Rules & Regulations” on the Massachusetts BORN Web site at www.mass.gov/dpl/boards/rn/index.htm or investigate the requirements in the state where they expect to practice.

Upper-Division Transfer Track

The School of Nursing undergraduate program welcomes both transfer students and students planning a career change who have a degree in another field. Recommended entrance requirements include one semester of biology, two semesters of anatomy and physiology (with lab), one chemistry course (with lab), and college algebra. Overall GPA should be a minimum of 3.000 for consideration for admission into the program. A microbiology

course (with lab) is strongly recommended. Students are accepted into this track for the fall semester only. Once accepted, the transfer student follows a fixed curriculum plan that includes cooperative education experiences. Students may complete their baccalaureate program requirements in approximately six semesters, including co-op experiences.

RN to BSN Option

The school accepts registered nurses who wish to complete requirements for a Bachelor of Science in nursing degree into the University's College of Professional Studies. The part-time curriculum program varies, depending on the individual's previous educational experience and ability to achieve advancement through the development of a portfolio to validate prior learning. More information is available at www.northeastern.edu/cps/rnbs_nursing.

BSN—Bachelor of Science in Nursing

CORE SEMESTER 1

Introduction to College

Complete the following course:

NRSG 1000	College: An Introduction	1 SH
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Nutrition

Complete the following course:

HSCI 1105	Nutrition	4 SH
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Mathematics

Complete one of the following courses:

MATH 1120	Precalculus	4 SH
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MATH 1215	Mathematical Thinking	4 SH
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MATH 1241	Calculus 1	4 SH
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MATH 1242	Calculus 2	4 SH
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MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
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MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
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MATH 1341	Calculus 1 for Science and Engineering	4 SH
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Anatomy and Physiology 1

Complete the following course with corresponding lab:

BIOL 1117	Integrated Anatomy and Physiology 1	4 SH
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with BIOL 1118	Lab for BIOL 1117	1 SH
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Chemistry

Complete the following course with corresponding lab and recitation:

CHEM 1101	General Chemistry for Health Sciences	4 SH
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with CHEM 1102	Lab for CHEM 1101	1 SH
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CORE SEMESTER 2

Microbiology

Complete the following course with corresponding lab:

BIOL 1121	Basic Microbiology	4 SH
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with BIOL 1122	Lab for BIOL 1121	1 SH
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Introductory English

Complete the following course with a grade of C or higher:

ENGL 1111	College Writing	4 SH
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Anatomy and Physiology 2

Complete the following course with corresponding lab:

BIOL 1119	Integrated Anatomy and Physiology 2	4 SH
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with BIOL 1120	Lab for BIOL 1119	1 SH
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Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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CLINICAL SEMESTER 1

Health and Illness—Nursing Perspective

Complete the following course (which satisfies the NU Core comparative study of cultures requirement):

NRSG 2210	Influences on Health and Illness:	3 SH
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A Nursing Perspective

Nursing Intervention/Assessment

Complete the following course with corresponding lab:

NRSG 2220	Nursing Interventions, Assessment,	3 SH
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and Community Care

with NRSG 2221	Lab for NRSG 2220	2 SH
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Pathophysiology

Complete the following course:

NRSG 2312	Pathophysiology	4 SH
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Pharmacology

Complete the following course:

PHSC 4340	Pharmacology for the Health	4 SH
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Professions

Professional Development

Complete the following course:

NRSG 2000	Professional Development for Co-op	1 SH
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CLINICAL SEMESTER 2

Intermediate Interventions and Assessment

Complete the following course with corresponding lab:

NRSG 3323	Intermediate Interventions and	1 SH
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Assessment

with NRSG 3324	Lab for NRSG 3323	1 SH
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Nursing Care/Adults 1 with Clinical

Complete the following course with corresponding clinical:

NRSG 3320	Nursing Care of Adults 1	4 SH
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with NRSG 3321	Clinical for NRSG 3320	2 SH
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Women and Families with Clinical

Complete the following course with corresponding clinical:

NRSG 3302	Nursing with Women and Families	3 SH
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with NRSG 3303	Clinical for NRSG 3302	2 SH
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CLINICAL SEMESTER 3***Nursing Care/Adults 2 with Clinical***

Complete the following course with corresponding clinical:

NRSG 3420	Nursing Care of Adults 2	4 SH
with NRSG 3421	Clinical for NRSG 3420	2 SH

Mental Health with Clinical

Complete the following course with corresponding clinical:

NRSG 3400	Nursing and the Promotion of Mental Health	3 SH
with NRSG 3401	Clinical for NRSG 3400	2 SH

CLINICAL SEMESTER 4***Nursing of Children and Families with Clinical***

Complete the following course with corresponding clinical:

NRSG 4502	Nursing Care of the Child	4 SH
with NRSG 4503	Clinical for NRSG 4502	2 SH

Public Health Nursing with Clinical

Complete the following course with corresponding clinical:

NRSG 4604	Public Health Community Nursing	3 SH
with NRSG 4605	Clinical for NRSG 4604	2 SH

CLINICAL SEMESTER 5***Comprehensive Nursing Practicum***

Complete the following course:

NRSG 4995	Comprehensive Nursing Practicum	6 SH
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Managing and Leading

Complete the following course:

NRSG 4610	Managing and Leading in Health Care	3 SH
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Ethics

Complete one of the following courses:

HSCI 4510	Health-Care Ethics	4 SH
PHIL 1165	Moral and Social Problems in Health Care	4 SH

Research

Complete the following course:

HLTH 5450	Health-Care Research	4 SH
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NURSING BREADTH COURSES***Sociology***

Complete the following course:

SOCL 1101	Introduction to Sociology	4 SH
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Advanced Writing in the Disciplines

Complete the following course with a grade of C or higher:

ENGL 3306	Advanced Writing in the Health Professions	4 SH
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Growth and Development

Complete the following course:

PSYC 3404	Developmental Psychology	4 SH
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Statistics

Complete the following course:

MATH 1180	Statistical Thinking	4 SH
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FREE ELECTIVES

Complete any three courses outside nursing or from the following list:

NRSG 1205	Wellness	4 SH
NRSG 4970	Junior/Senior Honors Project 1	4 SH
NRSG 4971	Junior/Senior Honors Project 2	4 SH
NRSG 4992	Directed Study	4 SH
NRSG 4993	Independent Study	4 SH

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

SCHOOL OF PHARMACY

www.bouve.neu.edu/pharmacy

JOHN R. REYNOLDS, PHARM D

Professor and Dean

MANSOOR M. AMJIL, PH D

Bouvé Distinguished Professor and Chair,

Department of Pharmaceutical Sciences

DAVID P. ZGARRICK, PH D

Professor and Chair, Department of Pharmacy Practice

SAMUEL J. MATTHEWS, PHARM D

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E-mail contact: Karen Stanley, *Administrative Coordinator,*

k.stanley@neu.edu

The School of Pharmacy is dedicated to excellence in pharmacy-related education, research, and service, including the provision of patient care. We prepare students with knowledge, skills, and values for careers in pharmacy practice and the pharmaceutical sciences. Our programs promote intellectual growth, professionalism, and lifelong learning. Through the generation and dissemination of new knowledge and through scholarship and community service, the school contributes to improved individual and population health.

The six-year Doctor of Pharmacy curriculum at Northeastern University offers a unique program that fully integrates campus-based learning with experiential learning, including the University's signature cooperative education (co-op) program, to

provide students with the skills and abilities necessary to succeed in the pharmacy profession. Our students promote and ensure the safe and effective use of drugs and provide medication therapy management services. In addition to preparing and dispensing prescribed medications, our students provide information to patients about medications and their uses; advise physicians and other health-care practitioners on medication selection, dosages, interactions, and adverse effects; and monitor patient responses to drug therapy.

Our students are well equipped to provide patient care services in a variety of settings. Most of our graduates work in community pharmacies or in health-care facilities such as hospitals and ambulatory clinics. Additional opportunities include health maintenance organizations, private practice groups, long-term-care facilities, home health care, the Public Health Service, the armed services, and law enforcement agencies such as the Federal Drug Enforcement Administration. Graduates may also find employment in drug development, marketing and research within the pharmaceutical industry, colleges of pharmacy, and professional association management. In addition, our graduates go on to leading graduate schools, pharmacy practice residencies, and research fellowships for specialized training.

To be eligible for a pharmacy degree, a student must successfully complete all courses in the curriculum including the introductory (co-op) and advanced pharmacy practice experiences; have an overall GPA of 2.000 or greater; and satisfy all other requirements as stated in the *Bouvé College of Health Sciences Undergraduate Student Information Manual*. The undergraduate pharmacy program, which is fully accredited by the Accreditation Council for Pharmacy Education (info@acpe-accredit.org), subscribes to the standards established by ACPE and the American Association of Colleges of Pharmacy.

Beginning with the class of 2010–2011, students enrolled in the Doctor of Pharmacy program will be awarded a Bachelor of Science in Pharmacy Studies after successful completion of all didactic and laboratory courses in semesters 1 through 10 of the pharmacy curriculum with an overall GPA of 2.000 or greater. Students will then have the opportunity to enter the Bouvé College of Health Science Graduate Program for the remaining three semesters of Advanced Pharmacy Practice Experience (APPE) and must successfully complete 36 semester hours of APPEs with an overall GPA of 3.000 or greater to earn the Doctor of Pharmacy degree.

Pharmacy graduates must meet specific requirements to qualify for professional licensure in the state where they plan to practice as a registered pharmacist. These requirements include graduating from an accredited school of pharmacy, passing national and state board examinations, and completing internship. The internship is a period of practical experience conducted under the supervision of a registered pharmacist. Massachusetts requires 1,500 internship hours, all of which are satisfied through the introductory (co-op) and advanced pharmacy practice experiences.

Academic Progression Standards

Students must adhere to the program plan for their year of graduation. Any deviation from the program's curriculum requires permission and an approved plan of study from the School of Pharmacy Academic Affairs Committee. To remain in good academic standing, students must receive grades of C or better in all professional prerequisite courses beginning with the second year of the program. To progress from the second to the third (first professional) year of the pharmacy program, students must have an overall grade point average (GPA) of at least 2.700; have satisfactorily completed all courses in years one and two of the curriculum; and have successfully completed evaluations to assess verbal and written communication skills, understanding of the pharmacy profession, and commitment to patient care. To progress into any subsequent year of the program, students must have passed all professional courses with a grade of C or better. For year six of the program (Advanced Pharmacy Practice Experiences), students must maintain an overall GPA of 3.000 or greater.

PharmD—Doctor of Pharmacy

PHARMACY MAJOR GRADE REQUIREMENT

A grade of C or higher is required in all PHMD and PHSC courses. A GPA of 2.700 is necessary to progress from second to third year. See “Academic Requirements” on page 89 and “Academic Progression Standards” above for additional grade and progression requirements.

SEMESTER 1 (FALL)

Freshman Seminar

Complete the following course:

PHMD 1000	College: An Introduction	1 SH
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Biology 1

Complete the following course with corresponding lab:

BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

Chemistry 1

Complete the following course with corresponding lab:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

Introductory English

Complete the following course with a grade of C or higher:

ENGL 1111	College Writing	4 SH
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Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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SEMESTER 2 (SPRING)

Biology 2

Complete the following course with corresponding lab:

BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

Chemistry 2

Complete the following course with corresponding lab:

CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Calculus

Complete the following course:

MATH 1241	Calculus 1	4 SH
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Profession of Pharmacy

Complete the following course:

PHMD 1001	Introduction to the Profession of Pharmacy	1 SH
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Arts/Humanities Level 1

Complete one course to satisfy the NU Core arts/humanities level 1 requirement as described on page 30.

SEMESTER 3 (FALL)**Physics**

Complete the following course with corresponding lab:

PHYS 1149	Physics for Pharmacy	4 SH
PHYS 1150	Lab for PHYS 1149	1 SH

Organic Chemistry 1

Complete the following course with corresponding lab:

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH

Human Physiology 1 and Human Anatomy Lab

Complete the following course with corresponding lab:

PHSC 2301	Human Physiology 1	3 SH
with PHSC 2302	Human Anatomy Lab	1 SH

Comparative Study of Cultures

Complete one course to satisfy the NU Core comparative study of cultures requirement as described on page 30.

SEMESTER 4 (SPRING)**Co-op Seminar/Pharmacy Practice**

Complete the following course:

PHMD 1201	Introduction to Pharmacy Practice	1 SH
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Organic Chemistry 2

Complete the following course with corresponding lab:

CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

Human Physiology 2 and Human Physiology Laboratory

Complete the following course with corresponding lab:

PHSC 2303	Human Physiology 2	3 SH
with PHSC 2304	Human Physiology Lab	1 SH

Medical Microbiology

Complete the following course:

PHSC 2360	Medical Microbiology	3 SH
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Free Elective

Complete one course outside pharmacy.

PROGRESSION REQUIREMENTS FOR THIRD YEAR

1. A 2.700 GPA is required at the end of the second year to progress to the third year.
2. The student must demonstrate good written and verbal communication skills.
3. The student must demonstrate an understanding of the pharmacy profession.
4. The student must demonstrate a commitment to patient care.

SEMESTER 5 (FALL)**Biochemistry**

Complete the following course:

PHSC 2320	Biochemistry	4 SH
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Pharmacology/Medicinal Chemistry 1

Complete the following course:

PHSC 4501	Pharmacology/Medicinal Chemistry 1	5 SH
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Writing for the Health Professions

Complete the following course with a grade of C or higher:

ENGL 3306	Advanced Writing in the Health Professions	4 SH
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Pharmaceutics 1

Complete the following course:

PHSC 3411	Pharmaceutics 1	4 SH
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SEMESTER 6 (SUMMER)**Health-Care Systems**

Complete the following course:

PHMD 2350	Health-Care Systems	3 SH
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Communication Skills for Pharmacists

Complete the following course with corresponding lab:

PHMD 2310	Communication Skills for Pharmacists	3 SH
with PHMD 2311	Lab for PHMD 2310	1 SH

Pharmacology/Medicinal Chemistry 2

Complete the following course:

PHSC 4502	Pharmacology/Medicinal Chemistry 2	5 SH
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Pharmaceutics Laboratory

Complete the following course:

PHSC 3419	Pharmaceutics Laboratory	1 SH
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Pharmaceutics 2

Complete the following course:

PHSC 3412	Pharmaceutics 2	4 SH
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SEMESTER 7 (SPRING)**Pharmacokinetics and Biopharmaceutics**

Complete the following course:

PHSC 3430	Pharmacokinetics and Biopharmaceutics	3 SH
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Immunology

Complete the following course:

PHSC 2330	Immunology	3 SH
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Comprehensive Disease Management 1 and 2

Complete the following two courses with corresponding seminar:

PHMD 4586	Comprehensive Disease Management 1	4 SH
PHMD 4587	Comprehensive Disease Management 2	4 SH
with PHMD 4588	Comprehensive Disease Management Seminar 1/2	1 SH

Research Methodology and Biostatistics

Complete the following course:

PHMD 3450	Research Methodology and Biostatistics	4 SH
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SEMESTER 8 (SUMMER)**Toxicology**

Complete the following course:

TOXC 5570	Clinical Toxicology	2 SH
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Pharmacy Care Management

Complete the following course:

PHMD 6250	Pharmacy Care Management	3 SH
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Comprehensive Disease Management 3

Complete the following course with corresponding seminar:

PHMD 6233	Comprehensive Disease Management 3	4 SH
with PHMD 6234	Comprehensive Disease Management Seminar 3	1 SH

Drug Information

Complete the following course:

PHMD 6223	Drug Information and Evaluation	3 SH
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Free Elective

Complete one course outside pharmacy.

SEMESTER 9 (FALL)**Advanced Pharmacy Practice Experience Preparatory Seminar 1**

Complete the following course:

PHMD 6438	Advanced Pharmacy Practice Experience Preparatory Seminar 1	0.5 SH
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Comprehensive Disease Management 4 and 5

Complete the following two courses with corresponding seminar:

PHMD 6254	Comprehensive Disease Management 4	4 SH
PHMD 6255	Comprehensive Disease Management 5	4 SH
with PHMD 6256	Comprehensive Disease Management Seminar 4/5	1 SH

Jurisprudence

Complete the following course:

PHMD 6330	Jurisprudence	3 SH
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Pharmaceutical Care Lab 1

Complete the following lab:

PHMD 6366	Pharmaceutical Care Laboratory 1	0.5 SH
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Free Elective

Complete any one elective.

SEMESTER 10 (SPRING)**Advanced Pharmacy Practice Experience Preparatory Seminar 2**

PHMD 6439	Advanced Pharmacy Practice Experience Preparatory Seminar 2	0.5 SH
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Comprehensive Disease Management 6 and 7

Complete the following two courses with corresponding seminar:

PHMD 6266	Comprehensive Disease Management 6	4 SH
PHMD 6267	Comprehensive Disease Management 7	4 SH
with PHMD 6268	Comprehensive Disease Management Seminar 6/7	1 SH

Pharmacoeconomics

Complete the following course:

PHMD 6270	Pharmacoeconomics	4 SH
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Pharmaceutical Care Lab 2

Complete the following lab:

PHMD 6376	Pharmaceutical Care Laboratory 2	0.5 SH
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Free Elective

Complete any one elective.

YEAR 6 (SUMMER, FALL, SPRING)**Advanced Practice Experience**

Select courses from the following list to complete six 6-week rotations for a total of 36 semester hours:

PHMD 6440 to PHMD 6474

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

210 total semester hours required

Minimum 2.000 GPA required

TOXICOLOGY

ROBERT A. SCHATZ, PhD
Associate Professor and Director

Office: 314 Mugar Life Sciences Building
 Phone: 617.373.3214
 Fax: 617.373.8886
 E-mail contact: Robert A. Schatz, *Associate Professor and Director*, r.schatz@neu.edu

Toxicology—the study of injurious effects of chemicals on living organisms—has become increasingly important against a background of bioterrorism, rapid advances in DNA research, and a constant stream of new industrial chemicals in our environment. Toxicologists are responsible for determining hazards from exposure to chemicals, setting limits of safety, identifying and measuring toxic chemicals by analysis, recommending safe use of chemicals, and determining clinical hazards and treatment of drug overdoses and chemical exposure.

Toxicology is a very diverse field, touching on drug research, pharmacology, chemical analysis, forensics, and environmental pollution, among other disciplines.

A minor in toxicology is available to students interested in environmental issues and in gaining insight into experimental approaches to evaluate drug and chemical toxicity.

Minor in Toxicology

REQUIRED COURSES

Complete the following three courses:

TOXC 5574	Organ Systems Toxicology	3 SH
TOXC 5576	Experimental Toxicology	3 SH
TOXC 5578	Biochemical Toxicology Lab	3 SH

ELECTIVE COURSE OPTIONS

Complete one elective based on your area of interest:

TOXC 5570	Clinical Toxicology	2 SH
TOXC 5572	Environmental Toxicology	3 SH

GPA REQUIREMENT

2.000 GPA required in the minor

College of Business Administration

www.cba.neu.edu

THOMAS E. MOORE, PhD, Dean

**William F. Crittenden, PhD, Senior Associate Dean
and Dean of Faculty**

**Peggy L. Fletcher, MBA, Associate Dean
for Budget and Administration**

Kate E. Klepper, MBA, Associate Dean for Graduate Programs

**Coleen C. Pantalone, PhD, Associate Dean
for Undergraduate Programs**

Undergraduate Office: 250 Dodge Hall

Phone: 617.373.3270

Fax: 617.373.4804

E-mail contact: Shantelle Anderson, *Administrative Assistant*,
s.anderson@neu.edu

Programs in the College of Business Administration are designed for students who are preparing to take on managerial responsibility. These programs 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 goal is 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.

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.

The college offers Bachelor of Science degrees in international business and in business administration with concentrations in accounting, entrepreneurship and innovation, finance and insurance, management, supply chain management, management information systems, and marketing. The business curriculum is enhanced by courses in the sciences, humanities, and social sciences. In addition to their academic courses, all students are required to complete a cooperative education plan.

Co-op provides a learning experience beyond the classroom. Textbook examples come to life in real-world business settings. Classroom theories are applied to actual business problems. In turn, these experiences serve to stimulate inquiry and discussion

back in the classroom. This interaction between college studies and cooperative education sets the stage for a lifetime of learning.

The undergraduate program of the College of Business Administration meets the standards of the American Assembly of Collegiate Schools of Business for faculty and student quality, curriculum design, and overall University support.

After graduation, students may obtain jobs in all aspects of business, both domestically and internationally.

Academic Progression Standards

Listed below are the GPA values required for students to advance to the next class standing and to graduate.

	Overall GPA	Freshman Core Courses GPA*	Business Courses GPA
Sophomore	2.000	2.000	2.000
Middler	2.000		2.000
Junior	2.000		2.000
Senior	2.000		2.000
To graduate	2.000		2.000

* Freshman Core Courses refers to College Writing, Macroeconomics and Microeconomics, Calculus for Business, and Introduction to Business.

Freshmen must complete at least 24 SH in order to progress to sophomore status, although freshmen who earn fewer than 32 SH must make up the difference prior to graduation. Students beyond the freshman year must complete at least 16 SH each in-school (not on co-op) full semester and 8 SH each in-school summer half semester in order to progress to the next class standing.

Pass/Fail Option

College of Business Administration students may opt to take courses on a pass/fail basis in accordance with University policy but should be aware that this policy applies to nonbusiness courses that will count as open electives only. Business courses may not be taken pass/fail under any circumstance.

Taking Courses While on Co-op

It is College of Business Administration policy that, with permission of their academic advisor, co-op coordinator, and employer, students may take a maximum of one class while on co-op during the fall, spring, or summer term. Students should initiate this process by filling out the appropriate paperwork with their co-op coordinator.

Transferring to the College of Business Administration

Students may transfer to the College of Business Administration externally (from another institution) or internally (from another school or college at Northeastern University).

EXTERNAL TRANSFER

External transfer students are accepted from other academic institutions during the fall and spring terms. Applications and accompanying materials are submitted directly to the Admissions Office.

The College of Business Administration at Northeastern University is accredited by the Association for the Advancement of Collegiate Schools of Business (AACSB) and as such complies with the following regulations governing the transferring of credit:

Courses from an AACSB-accredited institution:

Students may transfer a maximum of 80 semester hours (SH) of credit. A combination of 60 SH of nonbusiness courses and/or 28 SH of business courses will be accepted.

Courses from a non-AACSB-accredited institution:

Students may transfer a maximum of 60 SH of credit. A combination of 52 SH of nonbusiness courses and/or 20 SH of business courses will be accepted.

Some courses are not eligible for transfer. Please check with the Office of Undergraduate Admissions for more details.

INTERNAL TRANSFER

Students may internally transfer into the College of Business Administration through the Internal Transfer Program, the General Studies Program, or the Ujima Scholars Program. Students wishing to transfer internally into the College of Business Administration should follow the entrance criteria laid out by their respective program. Students should be aware that certain courses are not applicable to College of Business Administration curriculum and will not count toward degree requirements. A list of these courses is available at 250 Dodge Hall and at the Internal Transfer Office in the Office of the Registrar. Students who take these courses prior to matriculating into the College of Business Administration will need to take additional courses to meet graduation requirements.

Graduation Requirements

Bachelor of Science degree candidates must complete all prescribed work of the curriculum in which they seek to qualify, currently 128 semester hours. The degree not only represents the formal completion of selected courses, but also indicates professional study in the major or concentration. A GPA of 2.000 and a C average in all business courses are required for graduation. Students must be enrolled in a full program of studies in the College of Business Administration during the final three semesters preceding graduation.

MINOR

Courses for the minor are offered for nonbusiness students. This minor is attractive to students if they are considering a career in business or pursuing an MBA. The minor consists of five courses. These include Financial Accounting, Introduction to Marketing, Financial Management, Human Resource Management, and one elective. Students who wish to enter the program should sign up in the Undergraduate Business Programs Office at 250 Dodge Hall. Students who complete all five courses successfully and have earned at least a C (2.000) average in them will be awarded a minor in business administration at graduation.

Minor in Business Administration

ACCOUNTING

Complete the following course:

ACCT 1209	Financial Accounting and Reporting	4 SH
or ACCT 1201	Financial Accounting and Reporting	4 SH

FINANCE

Complete the following course:

FINA 2209	Financial Management	4 SH
or FINA 2201	Financial Management	4 SH

MARKETING

Complete the following course:

MKTG 2209	Introduction to Marketing	4 SH
or MKTG 2201	Introduction to Marketing	4 SH

ORGANIZATIONAL BEHAVIOR

Complete the following course:

ORGB 3209	Organizational Behavior	4 SH
or ORGB 3201	Organizational Behavior	4 SH

BUSINESS ELECTIVE

Complete one course from the following list or any business course for which the prerequisites have been met:

ENTR 1204	Innovation!	4 SH
ENTR 2201	The Entrepreneurial Universe	4 SH
INTB 1209	International Business and Global Social Responsibility	4 SH
or INTB 1203	International Business and Global Social Responsibility	4 SH
MGSC 3409	Operations Management	4 SH
MISM 2309	Management Information Systems	4 SH
or MISM 2301	Management Information Systems	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

ACCOUNTING

www.cba.neu.edu/undergrad

Office: 404 Hayden Hall

Phone: 617.373.5270

Fax: 617.373.8814

E-mail contact: Peggy O'Kelly, *Senior Lecturer and Concentration Coordinator*, p.okelly@neu.edu

A concentration in accounting aims to prepare the graduate for entry into public accounting or private industry and is one of the most critical areas of management concern. Accounting is an exciting field that requires people with sound technical knowledge, critical thinking skills, superior interpersonal skills, and the ability to communicate effectively. Accountants hold senior management positions in private companies in business or industry, public accounting firms, and government agencies.

To prepare for an accounting career, students take courses in financial reporting and managerial accounting, with additional elective courses available for more specialized studies in strategic cost analysis, auditing and other assurance services, income tax planning, and accounting information systems.

BSBA—Bachelor of Science in Business Administration with Concentration in Accounting

BUSINESS CORE REQUIREMENTS

Mathematics

Complete one calculus course from the following list:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS

Accounting

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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International Business/Social Responsibility

Complete the following course:

INTB 1203	International Business and Global Social Responsibility	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

CONCENTRATION IN ACCOUNTING

Accounting Required Courses

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

Accounting Elective Courses

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

ELECTIVES/SECOND BUSINESS CONCENTRATION

Complete eight elective courses. Four electives can be used toward completion of an additional business concentration as outlined below:

Concentration in Entrepreneurship and InnovationENTREPRENEURSHIP AND INNOVATION
REQUIRED COURSES

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION
ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance

FINANCE REQUIRED COURSES

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management

MANAGEMENT REQUIRED COURSE

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Management Information SystemsMANAGEMENT INFORMATION SYSTEMS
REQUIRED COURSES

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS

ELECTIVE COURSE

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Marketing

MARKETING REQUIRED COURSES

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management

SUPPLY CHAIN MANAGEMENT REQUIRED COURSES

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

BUSINESS GPA REQUIREMENT

A minimum 2.000 GPA in business courses is required.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

ENTREPRENEURSHIP AND INNOVATIONwww.cba.neu.edu/undergrad

Office: 214 Hayden Hall

Phone: 617.373.4014

Fax: 617.373.8628

E-mail contact: Kimberly Eddleston *Associate Professor and Concentration Coordinator*, k.eddleston@neu.edu

By combining technological and service innovation with the great incentive to enhance personal wealth, today's entrepreneur is an important engine for growth and job creation in our economy. Entrepreneurs come in many varieties: from those who start one-person firms to those who start growth ventures that will go public and become large companies. Rather than starting their own businesses, some of our students assume responsibility for family businesses and expand them through new strategies and financing. Other students are hired by large corporations that are trying to learn entrepreneurial thinking to create new business units and renew traditional product lines. Still others are interested in social entrepreneurship.

The entrepreneurship and innovation concentration guides students through the process of developing new business concepts, writing business plans for those concepts, and seeking venture financing. We expose students to a wide range of entrepreneurs and investors. We also demonstrate how a small, growing business should be managed, which will help some of our students better manage and expand their existing family owned businesses.

BSBA—Bachelor of Science in Business Administration with Concentration in Entrepreneurship and Innovation

BUSINESS CORE REQUIREMENTS

Mathematics

Complete one calculus course from the following list:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS

Accounting

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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International Business/Social Responsibility

Complete the following course:

INTB 1203	International Business and Global Social Responsibility	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

CONCENTRATION IN ENTREPRENEURSHIP AND INNOVATION

Entrepreneurship and Innovation Required Courses

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

Entrepreneurship and Innovation Elective Course

Complete one additional ENTR course.

ELECTIVES/SECOND BUSINESS CONCENTRATION

Complete eight elective courses. Four electives can be used toward completion of an additional business concentration as outlined below:

Concentration in Accounting

ACCOUNTING REQUIRED COURSES

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Finance

FINANCE REQUIRED COURSES

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management

MANAGEMENT REQUIRED COURSE

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Management Information Systems

MANAGEMENT INFORMATION SYSTEMS

REQUIRED COURSES

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS

ELECTIVE COURSE

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Marketing

MARKETING REQUIRED COURSES

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management

SUPPLY CHAIN MANAGEMENT REQUIRED COURSES

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

BUSINESS GPA REQUIREMENT

A minimum 2.000 GPA in business courses is required.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

FINANCE AND INSURANCE

www.cba.neu.edu/undergrad

Office: 413 Hayden Hall

Phone: 617.373.7514

Fax: 617.373.8798

E-mail contact: Eliot Sherman, *Senior Lecturer*
and *Concentration Coordinator*, e.sherman@neu.edu

The role of people trained in finance and insurance is expanding rapidly within the business world. Changes on the financial scene—rising securities prices, fluctuating inflation and interest rates, and globalization of markets—have created an awareness that financial knowledge is essential to the effective management of business firms.

Finance is the management and investment of money and other assets for businesses, financial institutions, nonprofit organizations, governments, and individuals. The program draws on accounting principles, economic theory, and quantitative methods to direct the way money is managed, acquired, and distributed. Students are exposed to economic and financial systems and how they operate. They also are given an opportunity to analyze economic trends and indicators and how to apply this analysis to financial decision making.

Students may specialize in one or more of the following areas: corporate finance, investment management and analysis, management of financial institutions, insurance and risk management, and real estate. The program is designed to prepare students for careers in corporate financial management, security analysis, investment management, security or insurance brokerage, underwriting, credit management, and risk management with corporations, banks, insurance companies, and other financial institutions.

BSBA—Bachelor of Science in Business Administration with Concentration in Finance**BUSINESS CORE REQUIREMENTS****Mathematics**

Complete one calculus course from the following list:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201 Business Statistics 4 SH

Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115 Principles of Macroeconomics 4 SH

ECON 1116 Principles of Microeconomics 4 SH

BUSINESS REQUIREMENTS**Accounting**

Complete the following two courses:

ACCT 1201 Financial Accounting and Reporting 4 SH

ACCT 2301 Managerial Accounting 4 SH

Finance

Complete the following course:

FINA 2201 Financial Management 4 SH

International Business/Social Responsibility

Complete the following course:

INTB 1203 International Business and Global Social Responsibility 4 SH

Management Information Systems

Complete the following course:

MISM 2301 Management Information Systems 4 SH

Marketing

Complete the following course:

MKTG 2201 Introduction to Marketing 4 SH

Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401 Operations Management 2 SH

with SCHM 2201 Supply Chain Management 2 SH

Organizational Behavior

Complete the following course:

ORGB 3201 Organizational Behavior 4 SH

Strategy in Action

Complete the following course:

STRT 4501 Strategy in Action 4 SH

or STRT 4514 Internal Case Competition Challenge 4 SH

CONCENTRATION IN FINANCE**Finance Required Courses**

Complete the following two courses:

FINA 3301 Corporate Finance 4 SH

FINA 3303 Investments 4 SH

Finance Elective Courses

Complete two additional FINA courses.

ELECTIVES/SECOND BUSINESS CONCENTRATION

Complete eight elective courses. Four electives can be used toward completion of an additional business concentration as outlined below:

Concentration in Accounting**ACCOUNTING REQUIRED COURSES**

Complete the following two courses:

ACCT 3401 Financial Reporting and Analysis 1 4 SH

ACCT 4501 Financial Reporting and Analysis 2 4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403 Accounting Information Systems 4 SH

ACCT 3416 Strategic Cost Analysis for Decision Making 4 SH

ACCT 4412 Auditing and Other Assurance Services 4 SH

ACCT 4414 Income Tax Determination and Planning 4 SH

Concentration in Entrepreneurship and Innovation**ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES**

Complete the following three courses:

ENTR 2201 The Entrepreneurial Universe 4 SH

ENTR 3301 Opportunity Assessment and Entrepreneurship Marketing 4 SH

ENTR 3401 Small Business Management, Operations, and Growth 4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Management**MANAGEMENT REQUIRED COURSE**

Complete the following course:

MGMT 3303 Building Your Management Skills 4 SH

MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Management Information Systems**MANAGEMENT INFORMATION SYSTEMS REQUIRED COURSES**

Complete the following three courses:

MISM 3403 Data Management and Information Analysis 4 SH

MISM 3404 Business Data Communications 4 SH

MISM 4501 Business Systems Integration 4 SH

MANAGEMENT INFORMATION SYSTEMS ELECTIVE COURSE

Complete one additional MISM course or one course from the following list:

ACCT 3403 Accounting Information Systems 4 SH

MKTG 4508 Electronic Marketing 4 SH

SCHM 3301 Global Supply Chain Management 4 SH

SCHM 4405 Purchasing 4 SH

Concentration in Marketing

MARKETING REQUIRED COURSES

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management

SUPPLY CHAIN MANAGEMENT REQUIRED COURSES

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

BUSINESS GPA REQUIREMENT

A minimum 2.000 GPA in business courses is required.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

INTERNATIONAL BUSINESS AND STRATEGY

www.cba.neu.edu/bsib

Office: 313 Hayden Hall

Phone: 617.373.5759

Fax: 617.373.8628

E-mail contact: Nicholas Athanassiou, *Associate Professor and Academic Director*, n.athanassiou@neu.edu

Globalization of the world economy, the growth of multinational firms, and international trade have created an increasing demand for managers who are equipped to address the complexities of international business. The College of Business Administration offers the Bachelor of Science in International Business (BSIB) to meet the needs of the highly motivated student who plans a career in international business whether abroad or in the United States. The BSIB requires a student to study and work both in the United States and abroad. This program, the first of its kind in the United States, was initiated in 1994.

All students in the BSIB program must take the degree's required courses in international business administration and must choose a second concentration from other business areas such as finance, marketing, management, supply chain management, human resources management, and management information systems. Further, the student has three BSIB program options. The first leads to proficiency in a foreign language; the second and third focus on international affairs or East Asian studies, respectively:

- Students who opt for the BSIB with a foreign language emphasis are admitted to a French, Spanish (Spain or Mexico), German, or Italian track. They have to develop proficiency in their chosen language and study the culture of the country or countries where that language is spoken. Students are required to study in the language of their choice in a partner university abroad for at least one semester and to complete at least one six-month cooperative education work assignment abroad in order to sharpen their language proficiency, cross-cultural capabilities, and business skills. At the end of their studies, students can earn a minor in their chosen language.
- Students who opt for the BSIB with an emphasis in international affairs or East Asian studies are required to take courses that lead to a minor in either specialty. They are required to study abroad in a partner university in Ireland for international affairs students or in Hong Kong, China, or Japan for East Asian studies students. Further, they must complete at least one six-month cooperative education work assignment abroad in order to sharpen their cross-cultural capabilities and business skills. While the international affairs or East Asian studies option has a foreign language requirement, the language of instruction abroad is English.

Students may earn both the BSIB degree from Northeastern University and the degree of our partner university if they choose to extend their study in the partner institution for their senior year as well. Students should contact the BSIB advisors for course schedules.

Note 1: The Bachelor of Science in International Business degree requires two half-summer periods of study: one abroad to improve language skills (Summer 1 semester, second year) and the second on campus to prepare for the one- or two-year study and work requirement abroad (Summer 1 semester, third year). This additional requirement brings the total semester hours to 137.

Note 2: The BSIB program does not offer a partner university degree for the East Asian studies BSIB option at this time.

BSIB—Bachelor of Science in International Business with Minor in East Asian Studies

INTERNATIONAL BUSINESS GENERAL EDUCATION REQUIREMENTS

Living and Working Abroad

Complete the following course, which also satisfies the NU Core comparative study of cultures requirement:

INTB 3301	Living and Working Abroad	4 SH
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Mathematics

Complete one calculus course:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS

Accounting

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

INTERNATIONAL BUSINESS MAJOR REQUIREMENTS

Required Courses

Complete the following three courses:

INTB 1201	Global Environment of International Business	4 SH
INTB 3301	Living and Working Abroad	4 SH
INTB 4501	Advanced Global Management	4 SH

Elective

Complete one course from the following list:

FINA 4320	International Financial Management	4 SH
INTB 3310	Cultural Aspects of International Business	4 SH
INTB 4993	Independent Study	4 SH
MKTG 4512	International Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH

SECOND BUSINESS CONCENTRATION

Complete one of the following business concentrations:

Concentration in Accounting

ACCOUNTING REQUIRED COURSES

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and Innovation

ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance

FINANCE REQUIRED COURSES

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management Information Systems

MANAGEMENT INFORMATION SYSTEMS

REQUIRED COURSES

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS

ELECTIVE COURSE

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Marketing

MARKETING REQUIRED COURSES

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management

SUPPLY CHAIN MANAGEMENT REQUIRED COURSES

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

INTERNATIONAL BUSINESS—LANGUAGE REQUIREMENTS

Complete either the Chinese language courses or the Japanese language courses:

Chinese Language Courses

Complete the following two courses:

CHNS 1101	Elementary Chinese 1	4 SH
CHNS 1102	Elementary Chinese 2	4 SH

Japanese Language Courses

Complete the following two courses:

JPNS 1101	Elementary Japanese 1	4 SH
JPNS 1102	Elementary Japanese 2	4 SH

INTERNATIONAL BUSINESS—MINOR IN EAST ASIAN STUDIES**Core Course**

Complete the following course:

ASNS 1150	East Asian Studies	4 SH
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China/Japan Electives

Complete either the China electives or the Japan electives:

CHINA ELECTIVES

Complete three of the following courses:

ASNS 3422	Topics in Chinese Studies	4 SH
CHNS 3101	Advanced Chinese 1	4 SH
CHNS 3102	Advanced Chinese 2	4 SH
CHNS 3302	Advanced Chinese Immersion 2	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
HIST 1254	Mao's China and After	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
HIST 2243	American Images of China	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2350	Modern China	4 SH
INTL 4938	Dialogue of Civilizations: Globalization and Social Sciences	4 SH
INTL 4939	Dialogue of Civilizations: Globalization, Humanities, and Cultural Studies	4 SH
POLS 3480	Government and Politics in Japan	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 2394	Chinese Buddhism	4 SH

JAPAN ELECTIVES

Complete three of the following courses:

ASNS 3444	Topics in Japanese Studies	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
HIST 2252	Japanese Literature and Culture	4 SH
HIST 2351	Global Japan	4 SH
JPNS 3101	Advanced Japanese 1	4 SH
JPNS 3102	Advanced Japanese 2	4 SH
POLS 3480	Government and Politics in Japan	4 SH
RELS 2395	Japanese Buddhism	4 SH

Asia Electives

Complete one of the following courses:

ANTH 4515	Anthropology of South Asia	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH
ASNS 4970	Junior/Senior Honors Project 1	4 SH
ASNS 4971	Junior/Senior Honors Project 2	4 SH
ASNS 4992	Directed Study	4 SH
ASNS 4993	Independent Study	4 SH
ASNS 4995	Practicum	4 SH
ASNS 4996	Experiential Education Directed Study	4 SH
ENGL 3672	Asian-American Literature	4 SH
HIST 1189	Introduction to South Asian History	4 SH

HIST 1245	Asian-American History	4 SH	MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
HIST 1250	Emergence of East Asia	4 SH	MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
HIST 1251	Modern East Asia	4 SH	MATH 1340	Intensive Calculus for Engineers	6 SH
HIST 1253	History of Vietnam Wars	4 SH	MATH 1341	Calculus 1 for Science and Engineering	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH	MATH 1342	Calculus 2 for Science and Engineering	4 SH
HIST 4650	Topics in Asian History	4 SH			
HIST 4942	East Asian Cultural History Abroad	4 SH			
INTL 4938	Dialogue of Civilizations: Globalization and Social Sciences	4 SH			
INTL 4939	Dialogue of Civilizations: Globalization, Humanities, and Cultural Studies	4 SH			
MUSC 1130	Music of Asia	4 SH			
RELS 1250	Jesus in the Gospels, American Culture, and the Movies	4 SH			
RELS 1275	Eastern Religions	4 SH			
RELS 1276	Indian Religions	4 SH			
RELS 1280	Islam	4 SH			
RELS 3393	Asian Religions in the United States	4 SH			
RELS 3395	Ramayana	4 SH			
RELS 3398	Religion and Culture in Indian Cinema	4 SH			
RELS 4545	Religion and Politics in South Asia	4 SH			

BUSINESS GPA REQUIREMENTS

2.000 GPA required in business courses

3.000 overall GPA required for study abroad

2.000 GPA required in the minor in East Asian studies

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BSIB—Bachelor of Science in International Business with Minor in French

INTERNATIONAL BUSINESS GENERAL EDUCATION REQUIREMENTS

Living and Working Abroad

Complete the following course, which also satisfies the NU Core comparative study of cultures requirement:

INTB 3301	Living and Working Abroad	4 SH
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Mathematics

Complete one calculus course:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS

Accounting

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

INTERNATIONAL BUSINESS MAJOR REQUIREMENTS

Required Courses

Complete the following three courses:

INTB 1201	Global Environment of International Business	4 SH
INTB 3301	Living and Working Abroad	4 SH
INTB 4501	Advanced Global Management	4 SH

Elective

Complete one course from the following list:

FINA 4320	International Financial Management	4 SH
INTB 3310	Cultural Aspects of International Business	4 SH
INTB 4993	Independent Study	4 SH
MKTG 4512	International Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH

SECOND BUSINESS CONCENTRATION

Complete one of the following business concentrations:

Concentration in Accounting**ACCOUNTING REQUIRED COURSES**

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and Innovation**ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES**

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance**FINANCE REQUIRED COURSES**

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management**MANAGEMENT REQUIRED COURSE**

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Management Information Systems**MANAGEMENT INFORMATION SYSTEMS REQUIRED COURSES**

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS ELECTIVE COURSE

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Marketing**MARKETING REQUIRED COURSES**

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management**SUPPLY CHAIN MANAGEMENT REQUIRED COURSES**

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

INTERNATIONAL BUSINESS—MINOR IN FRENCH**Elementary French**

Complete the following two courses:

FRNH 1101	Elementary French 1	4 SH
FRNH 1102	Elementary French 2	4 SH

Intermediate French

Complete the following two courses:

FRNH 2201	Intermediate French 1—BSIB	4 SH
FRNH 2202	Intermediate French 2—BSIB	4 SH

Advanced French

Complete the following two courses:

FRNH 3201	Advanced French 1—BSIB	4 SH
FRNH 3202	Advanced French 2—BSIB	4 SH

BUSINESS GPA REQUIREMENTS

2.000 GPA required in business courses

3.000 overall GPA required for study abroad

2.000 GPA required in the minor in French

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

BSIB—Bachelor of Science in International Business with Minor in German**INTERNATIONAL BUSINESS GENERAL EDUCATION REQUIREMENTS****Living and Working Abroad**

Complete the following course, which also satisfies the NU Core comparative study of cultures requirement:

INTB 3301	Living and Working Abroad	4 SH
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Mathematics

Complete one calculus course:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS**Accounting**

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

INTERNATIONAL BUSINESS MAJOR REQUIREMENTS**Required Courses**

Complete the following three courses:

INTB 1201	Global Environment of International Business	4 SH
INTB 3301	Living and Working Abroad	4 SH
INTB 4501	Advanced Global Management	4 SH

Elective

Complete one course from the following list:

FINA 4320	International Financial Management	4 SH
INTB 3310	Cultural Aspects of International Business	4 SH
INTB 4993	Independent Study	4 SH
MKTG 4512	International Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH

SECOND BUSINESS CONCENTRATION

Complete one of the following business concentrations:

Concentration in Accounting**ACCOUNTING REQUIRED COURSES**

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and InnovationENTREPRENEURSHIP AND INNOVATION
REQUIRED COURSES

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION
ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance

FINANCE REQUIRED COURSES

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management

MANAGEMENT REQUIRED COURSE

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Management Information SystemsMANAGEMENT INFORMATION SYSTEMS
REQUIRED COURSES

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS

ELECTIVE COURSE

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Marketing

MARKETING REQUIRED COURSES

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management

SUPPLY CHAIN MANAGEMENT REQUIRED COURSES

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

INTERNATIONAL BUSINESS—MINOR IN GERMAN**Elementary German**

Complete the following two courses:

GRMN 1101	Elementary German 1	4 SH
GRMN 1102	Elementary German 2	4 SH

Intermediate German

Complete the following two courses:

GRMN 2201	Intermediate German 1—BSIB	4 SH
GRMN 2202	Intermediate German 2—BSIB	4 SH

Advanced German

Complete the following two courses:

GRMN 3201	Advanced German 1—BSIB	4 SH
GRMN 3202	Advanced German 2—BSIB	4 SH

BUSINESS GPA REQUIREMENTS

2.000 GPA required in business courses

3.000 overall GPA required for study abroad

2.000 GPA required in the minor in German

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

BSIB—Bachelor of Science in International Business with Minor in International Affairs**INTERNATIONAL BUSINESS GENERAL EDUCATION REQUIREMENTS****Living and Working Abroad**

Complete the following course, which also satisfies the NU Core comparative study of cultures requirement:

INTB 3301	Living and Working Abroad	4 SH
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Mathematics

Complete one calculus course:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS**Accounting**

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

INTERNATIONAL BUSINESS MAJOR REQUIREMENTS**Required Courses**

Complete the following three courses:

INTB 1201	Global Environment of International Business	4 SH
INTB 3301	Living and Working Abroad	4 SH
INTB 4501	Advanced Global Management	4 SH

Elective

Complete one course from the following list:

FINA 4320	International Financial Management	4 SH
INTB 3310	Cultural Aspects of International Business	4 SH
INTB 4993	Independent Study	4 SH
MKTG 4512	International Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH

SECOND BUSINESS CONCENTRATION

Complete one of the following business concentrations:

Concentration in Accounting**ACCOUNTING REQUIRED COURSES**

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and Innovation**ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES**

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance**FINANCE REQUIRED COURSES**

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management Information Systems**MANAGEMENT INFORMATION SYSTEMS REQUIRED COURSES**

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS ELECTIVE COURSE			AFRS 3460	Contemporary Government and Politics in Africa	4 SH
Complete one additional MISM course or one course from the following list:			or POLS 3460	Contemporary Government and Politics in Africa	4 SH
ACCT 3403	Accounting Information Systems	4 SH	AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
MKTG 4508	Electronic Marketing	4 SH	AFRS 3470	Identity and Nationalism in Africa	4 SH
SCHM 3301	Global Supply Chain Management	4 SH	AFRS 4645	National Model OAU/African Union	4 SH
SCHM 4405	Purchasing	4 SH	AFRS 4690	Topics in African History	4 SH
Concentration in Marketing			or HIST 4690	Topics in African History	4 SH
MARKETING REQUIRED COURSES			ANTH 4510	Anthropology of Africa	4 SH
Complete the following two courses:			ENTR 3306	Global Entrepreneurship	4 SH
MKTG 3301	Marketing Management	4 SH	ENTR 3308	Business Economic History of South Africa	4 SH
MKTG 3401	Marketing Research	4 SH	HIST 2397	Africa in the Twentieth Century	4 SH
MARKETING ELECTIVE COURSES			LING 3428	African Languages	4 SH
Complete two additional MKTG courses.			MUSC 1128	Music of Africa	4 SH
Concentration in Supply Chain Management			POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH
SUPPLY CHAIN MANAGEMENT REQUIRED COURSES			ASIA		
Complete the following three courses:			ANTH 4515	Anthropology of South Asia	4 SH
SCHM 3301	Global Supply Chain Management	4 SH	ASNS 1150	East Asian Studies	4 SH
SCHM 3310	The Transportation Industries	4 SH	ASNS 3422	Topics in Chinese Studies	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH	ASNS 3444	Topics in Japanese Studies	4 SH
SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE			ASNS 4910	Issues in Modern and Contemporary Asia	4 SH
Complete one additional SCHM course.			CLTR 1260	Japanese Film	4 SH
INTERNATIONAL BUSINESS—INTERNATIONAL MANAGEMENT LANGUAGE REQUIREMENT			CLTR 1500	Backgrounds of Chinese Culture	4 SH
Complete two courses in a foreign language with a minimum of one year in the same language.			CLTR 1506	Introduction to Chinese Popular Culture	4 SH
INTERNATIONAL BUSINESS—MINOR IN INTERNATIONAL AFFAIRS			CLTR 1700	Introduction to Japanese Pop Culture	4 SH
Required Course			CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
Complete the following course:			HIST 1189	Introduction to South Asian History	4 SH
INTL 1101	Globalization and International Affairs	4 SH	HIST 1250	Emergence of East Asia	4 SH
Regional Analysis Courses			HIST 1251	Modern East Asia	4 SH
Complete two courses from the following list:			HIST 1253	History of Vietnam Wars	4 SH
AFRICA			HIST 1254	Mao's China and After	4 SH
AFRS 1128	The African Experience through Music	4 SH	HIST 1256	Chinese Civilization in Her Eyes	4 SH
AFRS 1180	African History	4 SH	HIST 2313	Gender and Revolution in Russia and China	4 SH
or HIST 1180	African History	4 SH	HIST 2347	The CIA in Asia	4 SH
AFRS 2307	Africa Today	4 SH	HIST 2350	Modern China	4 SH
AFRS 2348	Arts and Culture of Africa	4 SH	HIST 2351	Global Japan	4 SH
AFRS 2390	Africa and the World in Early Times	4 SH	HIST 2352	Dictators and Democracy in Japan and Korea	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH	HIST 3452	Global Chinese Migration	4 SH
AFRS 2391	Modern African Civilization	4 SH	HIST 4650	Topics in Asian History	4 SH
or HIST 2391	Modern African Civilization	4 SH	MUSC 1130	Music of Asia	4 SH
AFRS 2392	African Diaspora	4 SH	POLS 3480	Government and Politics in Japan	4 SH
AFRS 3428	African Languages	4 SH	POLS 3485	Government and Politics in China	4 SH
			RELS 1231	Image and Icon in South Asia	4 SH
			RELS 1273	Jainism	4 SH
			RELS 1275	Eastern Religions	4 SH
			RELS 1276	Indian Religions	4 SH

RELS 1290	Chinese Philosophy and Religion	4 SH	LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
RELS 2394	Chinese Buddhism	4 SH			
RELS 2395	Japanese Buddhism	4 SH	LITR 4565	Spanish Golden Age	4 SH
RELS 3395	Ramayana	4 SH	LITR 4850	The Splendid Century	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH	LITR 4860	Age of Enlightenment	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH	LITR 4870	Romantic Heritage	4 SH
EUROPE			MUSC 1124	Music of the Romantic Era	4 SH
ARTH 1111	Art + Design History since 1400	4 SH	POLS 3435	Politics in Western Europe	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH	POLS 3440	Politics in Northern Ireland	4 SH
CLTR 1280	French Film and Culture	4 SH	POLS 3445	Politics in Central and Eastern Europe	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH	POLS 4917	Model European Union	4 SH
CLTR 1501	Introduction to French Culture	4 SH	SOCL 4535	European Union: Social and Political	4 SH
CLTR 1503	Introduction to Italian Culture	4 SH	THTR 2300	Theatre History	4 SH
CLTR 1504	Introduction to Spanish Culture	4 SH	LATIN AMERICA		
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH	AFAM 2301	Foundations of Black Culture 2	4 SH
CLTR 2504	Modern German Film and Literature	4 SH	AFAM 2345	The Black Experience in the Caribbean	4 SH
ECON 1293	European Economic History	4 SH	AFAM 4507	Afro-Cuban Culture—International Study	4 SH
HIST 1170	Introduction to European History	4 SH	AFAM 4710	Field and Lab Methods for Researching Afro-Caribbean Music	4 SH
HIST 1270	Ancient Greece	4 SH	AFAM 4939	Afro-Caribbean Music Research	4 SH
HIST 1271	Ancient Rome	4 SH	ANTH 4500	Latin American Society and Development	4 SH
HIST 1272	The Invention of Europe 500–1500	4 SH	CLTR 1240	Latin American Film	4 SH
HIST 1273	Belief in Magic and Science in Europe	4 SH	CLTR 1505	Introduction to Latin American Culture	4 SH
HIST 1281	Holocaust	4 SH	CLTR 4507	Afro-Cuban Culture—International Study	4 SH
HIST 1294	Strangers in a Strange Land? European Jewish History 1750– 1945	4 SH	CLTR 4508	Cuban History through Film— International Study	4 SH
HIST 2314	From Europe to Globalization	4 SH	ENTR 3316	Microfinance and Economic Development in Latin America	4 SH
HIST 2370	Renaissance to Enlightenment	4 SH	ENTR 3318	Business, Economics, and History of Hispaniola and Latin America	4 SH
HIST 2371	Europe 1870–1921	4 SH	ENVR 2942	Maritime History and Culture: The Caribbean	4 SH
HIST 2372	Gender and Society in Modern Europe	4 SH	ENVR 2943	Marine Environmental History: The Caribbean	4 SH
HIST 2375	Culture and Identity in Early Modern England	4 SH	HIST 1187	Introduction to Latin American History	4 SH
HIST 2376	The British Empire	4 SH	HIST 1260	Modern Latin America	4 SH
HIST 2377	Ireland and the Irish Migration	4 SH	HIST 1261	The Modern Caribbean	4 SH
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH	HIST 4660	Topics in Latin American History	4 SH
HIST 3475	The Culture of Europe	4 SH	LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH
HIST 3485	Vienna, Prague, Budapest	4 SH	LITR 1260	Caribbean Literature and Culture	4 SH
HIST 4670	Topics in European History	4 SH	LITR 4655	Latin American Literature	4 SH
HIST 4682	Topics in East European History	4 SH	MUSC 1131	Music of Latin America and the Caribbean	4 SH
HIST 4946	Independent Field Research Abroad: Central Europe	4 SH	POLS 3475	Government and Politics in Latin America	4 SH
LITR 1250	Dante’s Inferno and Medieval Italian Culture	4 SH			
LITR 3502	Cervantes and His Times	4 SH			
LITR 4550	From Knights to Revolution: French Literature 1	4 SH			
LITR 4551	From Reverie to Reality: French Literature 2	4 SH			
LITR 4555	French Poetry	4 SH			
LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH			

MIDDLE EAST

CINE 3450	Israeli and Palestinian Film	4 SH
CLTR 1502	Introduction to Arabic Culture	4 SH
ECON 1292	Economic History of the Middle East	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH
HIST 1290	Modern Middle East	4 SH
HIST 1291	The Ottoman Empire (1300–1920)	4 SH
HIST 1292	Jerusalem: Narratives and Visions	4 SH
HIST 2393	Islam and Empires	4 SH
HIST 2394	Islamic Nationalism	4 SH
HIST 2395	Middle East in the Twentieth Century	4 SH
HIST 2396	The Middle East and Modernity	4 SH
HIST 4691	Topics in Middle Eastern History	4 SH
HIST 4944	Middle Eastern History and Culture	4 SH
	Independent Field Research Abroad	
INTL 1160	Middle East Studies	4 SH
INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH
JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH
LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH
MEST 2100	Modern Israel	4 SH
MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH
MUSC 1129	Music of the Middle East	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH
POLS 4915	Model Arab League	4 SH
RELS 1280	Islam	4 SH
RELS 1285	Jewish Religion and Culture	4 SH
WMNS 2500	Women and Social Change in the Middle East	4 SH
RUSSIA		
HIST 1285	Introduction to Russian Civilization	4 SH
HIST 1286	History of the Soviet Union	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 2387	Soviet Secret Police	4 SH
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
HIST 3486	Commissars and Managers: Soviet Economic History	4 SH
HIST 4680	Topics in Russian History	4 SH
HIST 4681	Topics in Soviet History	4 SH
LITR 3503	Russian Literature in Translation	4 SH
POLS 3450	Government and Politics in Russia	4 SH
POLS 3455	Russian Foreign Policy	4 SH
SOCL 1215	Society and Culture in Russia	4 SH

Global Dynamics Courses

Complete the following course as part of the NU Core:		
POLS 1155	Comparative Politics	4 SH
and complete one other additional course from the following list:		
AFAM 1109	Foundations of Black Culture I	4 SH
AFAM 3441	Third World Political Relations	4 SH
AFAM 4639	Globalism, Racism, and Human Rights	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH
AFRS 3310	Applied Research in the African Diaspora	4 SH
AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH
AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH
AFRS 4500	Arts of the African Diaspora	4 SH
or ARTH 4500	Arts of the African Diaspora	4 SH
AFRS 4585	Current Issues in the African Diaspora	4 SH
ANTH 1101	Peoples and Cultures	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH
ANTH 2315	Religion and Modernity	4 SH
ANTH 2330	Environmental Anthropology	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH
ANTH 3450	Globalization: Theory and Practice	4 SH
ARCH 1310	History of World Architecture 1	4 SH
ARCH 1320	History of World Architecture 2	4 SH
CINE 2340	Marxism, Film, and Revolution	4 SH
COMM 2303	Global and Intercultural Communication	4 SH
COMM 2325	Global Media	4 SH
ECON 1290	History of the Global Economy	4 SH
ECON 3404	International Food Economics and Policy	4 SH
ECON 4635	International Economics	4 SH
ENGL 4683	Postcolonial Literature	4 SH
ENTR 2219	Business, Global Poverty, and the Microfinance Revolution	4 SH
HIST 1110	Introduction to World History	4 SH
HIST 1202	Global Inequity	4 SH
HIST 1204	Third World Women	4 SH
HIST 1205	The Global Economy	4 SH
HIST 1216	Mediterranean World since 1500	4 SH
HIST 2211	World History since 1945	4 SH
HIST 2310	Spread of Buddhism	4 SH
HIST 2311	Colonialism/Imperialism	4 SH
HIST 2312	Global Migration and the Modern World	4 SH
HIST 2315	Approaches to World History	4 SH
HIST 2320	Wealth and Poverty	4 SH
HIST 2392	African Diaspora	4 SH
HIST 2398	Radicals, Terrorists, and Insurgents	4 SH
HIST 3411	Environment in the Age of Discovery	4 SH
HIST 3412	Global Environmental History	4 SH

HIST 3445	Global Economic History	4 SH	SOCL 3471	Social Conflict and Community Services Abroad	4 SH
HIST 3452	Global Chinese Migration	4 SH			
HIST 4610	Topics in World History	4 SH	SOCL 3480	Comparative Political Economy	4 SH
HUSV 4920	International Human Services	4 SH	SOCL 4522	Political Ecology and Environmental Justice	4 SH
INTB 1203	International Business and Global Social Responsibility	4 SH			
INTB 1209	International Business and Global Social Responsibility	4 SH			
INTB 3310	Cultural Aspects of International Business	4 SH			
INTL 3400	International Conflict and Negotiation	4 SH			
INTL 3460	Transnational Activism in Global Civil Society	4 SH			
INTL 4940	Global Corps Practicum	4 SH			
INTL 4945	Dialogue of Civilizations: Global Issues in Comparative Perspective	4 SH			
LING 3412	Language and Culture	4 SH			
LITR 3500	International Perspectives	4 SH			
LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH			
MUSC 1127	Introduction to World Music	4 SH			
MUSC 3470	War and Music	4 SH			
PHIL 1130	Ethics: East and West	4 SH			
PHIL 2327	Medieval Western Philosophy	4 SH			
PHIL 5001	Global Justice	4 SH			
POLS 1160	International Relations	4 SH			
POLS 2370	Religion and Politics	4 SH			
POLS 3405	International Political Economy	4 SH			
POLS 3407	International Organizations	4 SH			
POLS 3408	International Security	4 SH			
POLS 3415	Ethnic Conflict in Comparative Politics	4 SH			
POLS 3420	National Security, War, and Terrorism	4 SH			
POLS 3441	Third World Political Relations	4 SH			
POLS 3487	Politics of Developing Nations	4 SH			
POLS 4510	International Law	4 SH			
POLS 4515	Democracy in Comparative Politics	4 SH			
POLS 4530	Revolution, Civil War, and Insurrection	4 SH			
POLS 4580	Special Topics: Comparative Politics and International Relations	4 SH			
POLS 4605	Seminar in Comparative Politics	4 SH			
POLS 4610	Seminar in International Relations	4 SH			
POLS 4910	Model United Nations	4 SH			
POLS 4938	International Politics—Learning Abroad	4 SH			
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH			
RELS 1272	Ethics in the World's Religions	4 SH			
RELS 2313	Modern Jewish Diaspora	4 SH			
SOCL 1246	Environment and Society	4 SH			
SOCL 1268	Social Movements	4 SH			
SOCL 2288	The Sociology of Globalization	4 SH			

INTERNATIONAL BUSINESS—ELECTIVES REQUIREMENT

Open Electives

Complete two elective courses.

BUSINESS GPA REQUIREMENTS

2.000 GPA required in business courses

3.000 overall GPA required for study abroad

2.000 GPA required in the minor in international affairs

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BSIB—Bachelor of Science in International Business with Minor in Italian

INTERNATIONAL BUSINESS GENERAL EDUCATION REQUIREMENTS

Living and Working Abroad

Complete the following course, which also satisfies the NU Core comparative study of cultures requirement:

INTB 3301 Living and Working Abroad 4 SH

Mathematics

Complete one calculus course:

MATH 1231 Calculus for Business and Economics 4 SH

MATH 1241 Calculus 1 4 SH

MATH 1242 Calculus 2 4 SH

MATH 1251 Calculus and Differential Equations for Biology 1 4 SH

MATH 1252 Calculus and Differential Equations for Biology 2 4 SH

MATH 1340 Intensive Calculus for Engineers 6 SH

MATH 1341 Calculus 1 for Science and Engineering 4 SH

MATH 1342 Calculus 2 for Science and Engineering 4 SH

Statistics

Complete the following course:

MGSC 1201 Business Statistics 4 SH

Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS**Accounting**

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

INTERNATIONAL BUSINESS MAJOR REQUIREMENTS**Required Courses**

Complete the following three courses:

INTB 1201	Global Environment of International Business	4 SH
INTB 3301	Living and Working Abroad	4 SH
INTB 4501	Advanced Global Management	4 SH

Elective

Complete one course from the following list:

FINA 4320	International Financial Management	4 SH
INTB 3310	Cultural Aspects of International Business	4 SH
INTB 4993	Independent Study	4 SH
MKTG 4512	International Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH

SECOND BUSINESS CONCENTRATION

Complete one of the following business concentrations:

Concentration in Accounting**ACCOUNTING REQUIRED COURSES**

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and Innovation**ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES**

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance**FINANCE REQUIRED COURSES**

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management**MANAGEMENT REQUIRED COURSE**

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Management Information Systems**MANAGEMENT INFORMATION SYSTEMS REQUIRED COURSES**

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS**ELECTIVE COURSE**

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Marketing**MARKETING REQUIRED COURSES**

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management**SUPPLY CHAIN MANAGEMENT REQUIRED COURSES**

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

INTERNATIONAL BUSINESS—MINOR IN ITALIAN**Elementary Italian**

Complete the following two courses:

ITLN 1101	Elementary Italian 1	4 SH
ITLN 1102	Elementary Italian 2	4 SH

Intermediate Italian

Complete the following two courses:

ITLN 2201	Intermediate Italian 1—BSIB	4 SH
ITLN 2202	Intermediate Italian 2—BSIB	4 SH

Advanced Italian

Complete the following two courses:

ITLN 3201	Advanced Italian 1—BSIB	4 SH
ITLN 3202	Advanced Italian 2—BSIB	4 SH

BUSINESS GPA REQUIREMENTS

2.000 GPA required in business courses

3.000 overall GPA required for study abroad

2.000 GPA required in the minor in Italian

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

BSIB—Bachelor of Science in International Business with Minor in Spanish**INTERNATIONAL BUSINESS GENERAL EDUCATION REQUIREMENTS****Living and Working Abroad**

Complete the following course, which also satisfies the NU Core comparative study of cultures requirement:

INTB 3301	Living and Working Abroad	4 SH
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Mathematics

Complete one calculus course:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS**Accounting**

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

INTERNATIONAL BUSINESS MAJOR REQUIREMENTS**Required Courses**

Complete the following three courses:

INTB 1201	Global Environment of International Business	4 SH
INTB 3301	Living and Working Abroad	4 SH
INTB 4501	Advanced Global Management	4 SH

Elective

Complete one course from the following list:

FINA 4320	International Financial Management	4 SH
INTB 3310	Cultural Aspects of International Business	4 SH
INTB 4993	Independent Study	4 SH
MKTG 4512	International Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH

SECOND BUSINESS CONCENTRATION

Complete one of the following business concentrations:

Concentration in Accounting**ACCOUNTING REQUIRED COURSES**

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and Innovation**ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES**

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance**FINANCE REQUIRED COURSES**

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management**MANAGEMENT REQUIRED COURSE**

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Management Information Systems**MANAGEMENT INFORMATION SYSTEMS REQUIRED COURSES**

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS ELECTIVE COURSE

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Marketing**MARKETING REQUIRED COURSES**

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management**SUPPLY CHAIN MANAGEMENT REQUIRED COURSES**

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

INTERNATIONAL BUSINESS—MINOR IN SPANISH**Elementary Spanish**

Complete the following two courses:

SPNS 1101	Elementary Spanish 1	4 SH
SPNS 1102	Elementary Spanish 2	4 SH

Intermediate Spanish

Complete the following two courses:

SPNS 2201	Intermediate Spanish 1—BSIB	4 SH
SPNS 2202	Intermediate Spanish 2—BSIB	4 SH

Advanced Spanish

Complete the following two courses:

SPNS 3201	Advanced Spanish 1—BSIB	4 SH
SPNS 3202	Advanced Spanish 2—BSIB	4 SH

BUSINESS GPA REQUIREMENTS

2.000 GPA required in business courses

3.000 overall GPA required for study abroad

2.000 GPA required in the minor in Spanish

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

MANAGEMENT

www.cba.neu.edu/undergrad

Office: 304 Hayden Hall

Phone: 617.373.2503

Fax: 617.373.2491

E-mail contact: Brendan Bannister, *Associate Professor and Group Coordinator*, b.bannister@neu.edu

Managing people, projects, and programs requires a considerable range of knowledge and skills. Effective managers must know the business, be interpersonally competent, behave

ethically, diagnose and deal with human and organizational dynamics, and the like. To be sure, students must increase their knowledge of good management practices. For example, they need to learn principles of motivation, leadership, problem solving, conflict resolution, planning, organizational change, and their impact on business results. In addition, students must also improve their managing skills. Simply said, they need to learn how to manage. The aim of the management concentration is both to increase knowledge of management so that students have a strong substantive “core” and to increase management skills.

The curriculum offers courses in a range of relevant management topics. Some of the courses, including the required core course, are primarily skills-oriented; they teach “how to.” Others are more content-oriented; they teach “about management.” To enable students to gain exposure to a broad scope of management topics and issues, some of the courses consist of two topics, each of which is a half-semester course, which affords you an opportunity to learn from two different faculty experts.

BSBA—Bachelor of Science in Business Administration with Concentration in Management**BUSINESS CORE REQUIREMENTS****Mathematics**

Complete one calculus course from the following list:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS**Accounting**

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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International Business/Social Responsibility

Complete the following course:

INTB 1203	International Business and Global Social Responsibility	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

CONCENTRATION IN MANAGEMENT**Management Required Course**

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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Management Elective Courses

Complete three additional MGMT courses.

ELECTIVES/SECOND BUSINESS CONCENTRATION

Complete eight elective courses. Four electives can be used toward completion of an additional business concentration as outlined below:

Concentration in Accounting**ACCOUNTING REQUIRED COURSES**

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and Innovation**ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES**

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance**FINANCE REQUIRED COURSES**

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management Information Systems**MANAGEMENT INFORMATION SYSTEMS REQUIRED COURSES**

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS ELECTIVE COURSE

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Marketing**MARKETING REQUIRED COURSES**

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management**SUPPLY CHAIN MANAGEMENT REQUIRED COURSES**

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

BUSINESS GPA REQUIREMENT

A minimum 2.000 GPA in business courses is required.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

MANAGEMENT INFORMATION SYSTEMS

www.cba.neu.edu/undergrad

Office: 214 Hayden Hall

Phone: 617.373.2759

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E-mail contact: Bruce Russell, *Associate Academic Specialist and Concentration Coordinator*, br.russell@neu.edu

In the industrial era of the past, management of materials and products was the focus. In the global Information Age, success for individuals and for companies requires the ability to manage information effectively.

The goal of the management information systems (MIS) concentration is to teach future managers how to use information systems (IS) and technology (IT) to help organizations and individuals perform more efficiently and effectively. This can lead the student in two career directions:

- To become a professional in the information systems function of a company.
- To harness the power of information systems in another functional area such as accounting, finance, marketing, etc.

Students have an opportunity to develop new, cutting-edge approaches that allow them to use the powerful resource of information systems to its greatest advantage. Understanding how to get the right information in the right form and format to the right people at the right time is essential in today's business world, especially when companies and the individuals that do this well are achieving significant competitive advantage.

Students study database management; telecommunications; systems integration and design; and other IS topics, such as digital multimedia, expert systems, electronic business, and knowledge management.

IS can only be effectively designed and implemented when understood in the context of the individual user, the work group, the organization, and society. Therefore, the study of MIS combines a focus on technology with a focus on organizational systems within the business context. Not only do students have an

opportunity to develop technical and problem-solving skills that are in high demand by employers, they are taught to identify how IS can best be used within a business organization.

Students who wish to become MIS managers will need to interact frequently with other managers throughout an organization. Therefore, students are encouraged to complete a dual concentration in MIS and another area of business. Graduates of this program enter a wide range of professions that suit their particular interests. Professional options include systems analyst, programmer, database designer and administrator, Webmaster, software help-desk expert, project specialist, consultant, network administrator, and IT specialist within other departments, such as financial services, accounting, marketing, or manufacturing.

BSBA—Bachelor of Science in Business Administration with Concentration in Management Information Systems

BUSINESS CORE REQUIREMENTS**Mathematics**

Complete one calculus course from the following list:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS**Accounting**

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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International Business/Social Responsibility

Complete the following course:

INTB 1203	International Business and Global Social Responsibility	4 SH
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Management Information Systems

Complete the following course:

MISM 2301 Management Information Systems 4 SH

Marketing

Complete the following course:

MKTG 2201 Introduction to Marketing 4 SH

Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401 Operations Management 2 SH

with SCHM 2201 Supply Chain Management 2 SH

Organizational Behavior

Complete the following course:

ORGB 3201 Organizational Behavior 4 SH

Strategy in Action

Complete the following course:

STRT 4501 Strategy in Action 4 SH

or STRT 4514 Internal Case Competition Challenge 4 SH

CONCENTRATION IN MANAGEMENT INFORMATION SYSTEMS**Management Information Systems Required Courses**

Complete the following three courses:

MISM 3403 Data Management and Information Analysis 4 SH

MISM 3404 Business Data Communications 4 SH

MISM 4501 Business Systems Integration 4 SH

Management Information Systems Elective Course

Complete one additional MISM course or one course from the following list:

ACCT 3403 Accounting Information Systems 4 SH

MKTG 4508 Electronic Marketing 4 SH

SCHM 3301 Global Supply Chain Management 4 SH

SCHM 4405 Purchasing 4 SH

ELECTIVES/SECOND BUSINESS CONCENTRATION

Complete eight elective courses. Four electives can be used toward completion of an additional business concentration as outlined below:

Concentration in Accounting**ACCOUNTING REQUIRED COURSES**

Complete the following two courses:

ACCT 3401 Financial Reporting and Analysis 1 4 SH

ACCT 4501 Financial Reporting and Analysis 2 4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403 Accounting Information Systems 4 SH

ACCT 3416 Strategic Cost Analysis for Decision Making 4 SH

ACCT 4412 Auditing and Other Assurance Services 4 SH

ACCT 4414 Income Tax Determination and Planning 4 SH

Concentration in Entrepreneurship and Innovation**ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES**

Complete the following three courses:

ENTR 2201 The Entrepreneurial Universe 4 SH

ENTR 3301 Opportunity Assessment and Entrepreneurship Marketing 4 SH

ENTR 3401 Small Business Management, Operations, and Growth 4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance**FINANCE REQUIRED COURSES**

Complete the following two courses:

FINA 3301 Corporate Finance 4 SH

FINA 3303 Investments 4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management**MANAGEMENT REQUIRED COURSE**

Complete the following course:

MGMT 3303 Building Your Management Skills 4 SH

MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Marketing**MARKETING REQUIRED COURSES**

Complete the following two courses:

MKTG 3301 Marketing Management 4 SH

MKTG 3401 Marketing Research 4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management**SUPPLY CHAIN MANAGEMENT REQUIRED COURSES**

Complete the following three courses:

SCHM 3301 Global Supply Chain Management 4 SH

SCHM 3310 The Transportation Industries 4 SH

SCHM 4401 Advanced Problems in Supply Chain Management 4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

BUSINESS GPA REQUIREMENT

A minimum 2.000 GPA in business courses is required.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

MARKETINGwww.cba.neu.edu/undergrad

Office: 202 Hayden Hall

Phone: 617.373.4638

Fax: 617.373.8366

E-mail contact: Susan Sieloff, *Senior Lecturer and Concentration Coordinator*, s.sieloff@neu.edu

A business not only designs and manufactures products but also markets and sells them to manufacturers, wholesalers, retailers, and consumers. All the activities that direct the flow of goods and services from producer to customer are classified as marketing concerns. Once an organization determines a customer's needs and wants, its first objective is to produce goods or services to satisfy that particular customer. Essential in all types of businesses are product design, research, pricing, packaging, transportation, distribution channel, marketing communications, selling, and service strategies.

The concentration in marketing is designed to familiarize students with the marketing process and to provide them with the theoretical concepts, skills, and tools necessary to enter and advance successfully in one of the many possible career paths. Students are shown how to evaluate consumer behavior, employ marketing communication principles (including traditional advertising as well as digital marketing and social media venues), develop and utilize market research and testing, and develop ways to position products and services strategically. They also are exposed to the changing economic, political, legal, ethical, and cultural contexts in which marketing strategies must be developed.

Students may select courses that lead to one of many career paths within marketing: product or brand management, marketing research, marketing communications, retail management, sales management, or international marketing management.

**BSBA—Bachelor of Science in Business
Administration with Concentration in Marketing**
BUSINESS CORE REQUIREMENTS**Mathematics**

Complete one calculus course from the following list:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH

MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS**Accounting**

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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International Business/Social Responsibility

Complete the following course:

INTB 1203	International Business and Global Social Responsibility	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

CONCENTRATION IN MARKETING**Marketing Required Courses**

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

Marketing Elective Courses

Complete two additional MKTG courses.

ELECTIVES/SECOND BUSINESS CONCENTRATION

Complete eight elective courses. Four electives can be used toward completion of an additional business concentration as outlined below:

Concentration in Accounting

ACCOUNTING REQUIRED COURSES

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and InnovationENTREPRENEURSHIP AND INNOVATION
REQUIRED COURSES

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION
ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance

FINANCE REQUIRED COURSES

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management

MANAGEMENT REQUIRED COURSE

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Management Information SystemsMANAGEMENT INFORMATION SYSTEMS
REQUIRED COURSES

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

MANAGEMENT INFORMATION SYSTEMS

ELECTIVE COURSE

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Supply Chain Management

SUPPLY CHAIN MANAGEMENT REQUIRED COURSES

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

BUSINESS GPA REQUIREMENT

A minimum 2.000 GPA in business courses is required.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

SUPPLY CHAIN MANAGEMENT

www.cba.neu.edu/undergrad

Office: 214 Hayden Hall

Phone: 617.373.4813

Fax: 617.373.3166

E-mail contact: Robert Lieb, *Professor*, r.lieb@neu.edu

From the *Fortune 500* manufacturer to the small firm that produces, sells, or distributes products, all such companies have a supply chain management function that must be effectively managed if they are to be competitive. A supply chain manager is typically involved in making critical decisions about such matters as the modes of transportation used to move the company's materials and products, inventory policies, warehousing needs, customer service standards, and the location of facilities.

As companies become increasingly involved in global markets as both buyers and sellers, supply chain managers play a major role not only in assessing the feasibility of international activity, but also in developing supply and distribution networks to

support that involvement. The policies that these managers help formulate are major determinants of a company's success in the international arena.

The academic work of the program flows from introductory courses that address the decisions outlined above through advanced study of the formulation of supply chain strategies. The program culminates in a senior seminar that not only introduces the students to industry leaders in the field, but also focuses on development of individual research and presentation skills.

Because supply chain managers frequently interact with those involved in other areas of management, many supply chain management students have chosen to complete a second concentration in such areas as marketing, finance, or international business.

In addition to finding career opportunities with manufacturers, retailers, and distributors, supply chain management students may find similar opportunities with companies that sell supply chain services or transportation services in the marketplace. Consulting firms and government agencies at the federal, state, and local levels provide other career options.

BSBA—Bachelor of Science in Business Administration with Concentration in Supply Chain Management

BUSINESS CORE REQUIREMENTS

Mathematics

Complete one calculus course from the following list:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1241	Calculus 1	4 SH
MATH 1242	Calculus 2	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

Statistics

Complete the following course:

MGSC 1201	Business Statistics	4 SH
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Macroeconomics and Microeconomics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

BUSINESS REQUIREMENTS

Accounting

Complete the following two courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH

Finance

Complete the following course:

FINA 2201	Financial Management	4 SH
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International Business/Social Responsibility

Complete the following course:

INTB 1203	International Business and Global Social Responsibility	4 SH
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Management Information Systems

Complete the following course:

MISM 2301	Management Information Systems	4 SH
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Marketing

Complete the following course:

MKTG 2201	Introduction to Marketing	4 SH
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Operations Management and Supply Chain Management

Complete the following pair of courses:

MGSC 3401	Operations Management	2 SH
with SCHM 2201	Supply Chain Management	2 SH

Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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Strategy in Action

Complete the following course:

STRT 4501	Strategy in Action	4 SH
or STRT 4514	Internal Case Competition Challenge	4 SH

CONCENTRATION IN SUPPLY CHAIN MANAGEMENT

Supply Chain Management Required Courses

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

Supply Chain Management Elective Course

Complete one additional SCHM course.

ELECTIVES/SECOND BUSINESS CONCENTRATION

Complete eight elective courses. Four electives can be used toward completion of an additional business concentration as outlined below:

Concentration in Accounting

ACCOUNTING REQUIRED COURSES

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and Innovation**ENTREPRENEURSHIP AND INNOVATION
REQUIRED COURSES**

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

**ENTREPRENEURSHIP AND INNOVATION
ELECTIVE COURSE**

Complete one additional ENTR course.

Concentration in Finance**FINANCE REQUIRED COURSES**

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management**MANAGEMENT REQUIRED COURSE**

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Management Information Systems**MANAGEMENT INFORMATION SYSTEMS
REQUIRED COURSES**

Complete the following three courses:

MISM 3403	Data Management and Information Analysis	4 SH
MISM 3404	Business Data Communications	4 SH
MISM 4501	Business Systems Integration	4 SH

**MANAGEMENT INFORMATION SYSTEMS
ELECTIVE COURSE**

Complete one additional MISM course or one course from the following list:

ACCT 3403	Accounting Information Systems	4 SH
MKTG 4508	Electronic Marketing	4 SH
SCHM 3301	Global Supply Chain Management	4 SH
SCHM 4405	Purchasing	4 SH

Concentration in Marketing**MARKETING REQUIRED COURSES**

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

BUSINESS GPA REQUIREMENT

A minimum 2.000 GPA in business courses is required.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Minimum 2.000 GPA required

SCHOOL OF TECHNOLOGICAL ENTREPRENEURSHIP

www.ste.neu.edu

PAUL M. ZAVRACKY, PhD

Jean C. Tempel Professor of Entrepreneurship and Dean

Office: 304 Hayden Hall

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History has demonstrated that successful technological entrepreneurs possess a combination of skills that include a unique style of leadership, a desire to create enterprises, and a strong internal drive to pursue ideas they know will change the world. The scientists and engineers among this dynamic group often developed an understanding of basic business practices on the job; while their colleagues from business administration similarly developed an understanding of the unique character of technology-based ventures. Now, undergraduate students interested in becoming technological entrepreneurs have the opportunity to acquire skills in a more formal program. Students intrigued with the possibilities and who possess a passion for learning and a very strong desire to succeed should consider the minor offered by the School of Technological Entrepreneurship (STE).

The process needed to establish technology-based ventures differs from that of nontechnical businesses. It typically begins with an advancement in science and engineering that could lead to a technology-based product or process. Obtaining patents and

copyrights to protect a company's products and processes is especially important. Equally important is the careful and strategic disclosure of intellectual property while forming key relationships with other, often larger companies. Crude prototypes or demonstration vehicles are often created to demonstrate the potential of a new idea. At this point, young technological entrepreneurs learn that they need to uncover a compelling use for their new invention in order to find market success. Markets don't always exist for truly new technologies and therefore must be created, making the commercialization process long and difficult. The technological entrepreneur has to probe different applications to find those that provide fertile ground for sales growth and ultimately for commercial and corporate success.

From an academic perspective, the field of technological entrepreneurship is at the intersection of science and engineering and business administration. The STE was established to develop educational programs that provide potential entrepreneurs with an opportunity to study the unique aspects of product development, marketing, and business practices that are associated with technology-based ventures. The school provides a new learning environment in which science, engineering, and business students are introduced to the unique aspects associated with the commercialization of technology-based products.

A hallmark of STE is interdisciplinary instruction and a focus on creative practices. A major highlight of the school is faculty collaboration and team teaching. Faculty from engineering and science bring to the school precise knowledge in many technical areas, experience with the product life cycle, and an understanding of the complexities associated with advanced technologies. The business faculty bring a working knowledge of marketing, finance, accounting, and project management. It is the integration of these two areas that defines technological entrepreneurship, and it is achieving this integration that makes STE classes exciting and rewarding for students.

Minor in Technological Entrepreneurship

INTRODUCTORY COURSE

Complete one of the following courses. Engineering and science students should take TECE 2310. Business students should take TECE 2330:

TECE 2310	Business Basics for Technological Entrepreneurship	4 SH
TECE 2330	Introduction to Product Design for Entrepreneurs	4 SH

REQUIRED COURSES

Complete the following three courses:

TECE 2301	Opportunity Assessment in a Technology-Based Firm	4 SH
TECE 3401	Managing Operations in a Technology-Based Start-Up Firm	4 SH
TECE 3450	Strategic Entrepreneurship	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

ADDITIONAL PROGRAMS

BS in Computer Science and Business Administration

See page 150.

BS in Information Science and Business Administration

See page 162.

College of Computer and Information Science

www.ccs.neu.edu/undergraduate

LARRY A. FINKELSTEIN, PhD, *Professor and Dean*

Agnes H. Chan, PhD, *Professor, Associate Dean, and Director of Graduate Studies*

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The invention of powerful computers and the development of complex software programs have fundamentally transformed the way people work and live. Computers are now essential tools in business, industry, science, medicine, and human services. Computers also enhance the efforts of individuals and volunteer groups to meet their goals. In addition, the most sophisticated work in music, film, and video often makes use of computer technology. The College of Computer and Information Science believes that computing is one of the most exciting fields of study and that its applications are limitless.

The college offers undergraduate degree programs in computer science (BS and BA) and information science (BS) and combined majors with business administration, cognitive psychology, biology, mathematics, physics, environmental science, game design, digital art, interactive media, and music technology, as well as a combined major in computer science and information science. The BS in computer science emphasizes strong technical competence in computer science, mathematics, science, and electrical engineering while the BA in computer science combines computer science with a broad-based liberal arts education. The BS in information science integrates studies in computer science, information science, business, psychology, and social science. Each of the combined majors offers the opportunity for intense study in two disciplines. The BS in computer science follows the ACM-IEEE Curriculum 2001 recommendations and is accredited by the Computing Accreditation Commission of ABET.

Academic Progression Standards

The following are the minimum requirements for freshmen to achieve sophomore status.

- At least 25 SH of credit
- A minimum overall GPA of 1.800
- A minimum computer science GPA of 1.800
- Successful completion of the following required courses:
 - CS 1800 and CS 2500, each with a grade of at least C–
 - ENGL 1111 or equivalent ENGL 1102

The minimum overall GPA values required for students to advance to the next rank and to graduate are:

Middler	2.000
Junior	2.000
Senior	2.000
To graduate	2.000

In addition, students must achieve a minimum overall GPA of 2.000 and a minimum overall GPA in CS/IS courses of 2.000 for graduation.

Program Length

Normally, the undergraduate program is five years, with seven full academic semesters and two to three six-month periods of cooperative education. Some students may complete the program in four years with a reduced cooperative education component. The college is strongly committed to the cooperative education program since it believes that the opportunity to integrate academic learning with practical experience in industry can greatly contribute to a student's personal and professional development.

COMPUTER SCIENCE

Computer science involves the application of theoretical concepts in the context of software development to the solution of problems that arise in almost every human endeavor. Computer science as a discipline draws its inspiration from mathematics, logic, science, and engineering. From these roots, computer science has fashioned paradigms for program structures, algorithms, data representations, efficient use of computational resources, robustness and security, and communication within computers and across networks. The ability to frame problems, select computational models, design program structures, and develop efficient algorithms is as important in computer science as software implementation skill. Computer science is concerned with bringing together all of the intellectual resources needed to

enable the rapid and effective development of software to meet the needs of business, research, and end users.

The goal of the undergraduate program in computer science is to teach students the conceptual and practical skills that will enable them to contribute to the development of computational principles and to play a productive role in the software community. To that end, the undergraduate program focuses on the fundamentals of program design including object-oriented design, software development, computer organization, systems and networks, theory of computation, principles of languages, and advanced algorithms and data. The program also offers a variety of electives at the upper undergraduate and beginning graduate levels ranging from more theoretical courses to those that focus on important applications.

BSCS—Bachelor of Science in Computer Science

COMPUTER SCIENCE MAJOR REQUIREMENTS

Computer Science Overview

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following seven courses:

CS 2600	Computer Organization	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3600	Systems and Networks	4 SH
CS 3800	Theory of Computation	4 SH
CS 4400	Programming Languages	4 SH
CS 4500	Software Development	4 SH
CS 4800	Algorithms and Data	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Capstone

Complete one of the following courses (thus satisfying the NU Core capstone requirement):

CS 4100	Artificial Intelligence	4 SH
CS 4300	Computer Graphics	4 SH
CS 4410	Compilers	4 SH
CS 4550	Web Development	4 SH
CS 4650	High Performance Computing	4 SH
CS 4750	Secure Wireless Ad Hoc Robots on Mission (SWARM) 1	4 SH
CS 4760	Secure Wireless Ad Hoc Robots on Mission (SWARM) 2	4 SH
CS 4900	Honors Senior Seminar	4 SH
IS 4900	Information Science Senior Project	5 SH

Computer Science Upper-Division Electives

Complete two upper-division computer science courses. With advisor approval, directed study, project study, and appropriate graduate-level courses may also be taken as upper-division electives.

CS 2990 to CS 4993		
IS 4200	Information Retrieval	4 SH
IS 4300	Human Computer Interaction	4 SH

ADDITIONAL COURSES FOR BS

Mathematics Courses

Complete the following four courses. A grade of C– or higher is required in MATH 1341 and MATH 1342:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2331	Linear Algebra	4 SH
MATH 3081	Probability and Statistics	4 SH

Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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Science Requirement

Complete two courses with corresponding labs and recitations for one of the following sciences:

BIOLOGY

Complete the following course with corresponding lab:

BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

and complete a second course with corresponding lab from the following list:

BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH
BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH

CHEMISTRY

Complete the following two courses with corresponding labs:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

GEOLOGY/ENVIRONMENTAL SCIENCE (OPTION 1)

Complete the following two courses with corresponding labs:

ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH
ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH

GEOLOGY/ENVIRONMENTAL SCIENCE (OPTION 2)

Complete the following course with corresponding lab:

ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH

and complete an additional course with corresponding lab from the following list:

ENVR 2310	Earth Materials	4 SH
with ENVR 2311	Lab for ENVR 2310	1 SH
ENVR 2340	Earth Landforms and Processes	4 SH
with ENVR 2341	Lab for ENVR 2340	1 SH
ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH
ENVR 4106	Coastal Processes	4 SH
with ENVR 4107	Lab for ENVR 4106	1 SH
ENVR 4500	Applied Hydrogeology	4 SH
with ENVR 4501	Lab for ENVR 4500	1 SH
ENVR 5244	Sedimentation	4 SH
with ENVR 5245	Lab for ENVR 5244	1 SH

GEOLOGY/ENVIRONMENTAL SCIENCE (OPTION 3)

Complete the following two courses with corresponding labs:

ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH
ENVR 5242	Ancient Marine Life	4 SH
with ENVR 5243	Lab for ENVR 5242	1 SH

PHYSICS

Complete one of the following sequences of courses:

SEQUENCE A

PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

SEQUENCE B

PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
PHYS 1147	Physics for Life Sciences 2	4 SH
with PHYS 1148	Lab for PHYS 1147	1 SH

SEQUENCE C

PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Electrical Engineering

Complete the following course:

EECE 3230	Computer Architecture for Computer Scientists	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

ELECTIVES OUTSIDE COMPUTER AND INFORMATION SCIENCE**Depth or Breadth Elective Requirement**

Complete three courses from either the depth option or the breadth option.

DEPTH

Complete three courses in one department outside computer science and information science. *Note:* For the purposes of this requirement, all business courses are considered to be in a single department.

BREADTH

Complete three courses in arts, humanities, or social sciences.

Remaining Electives

Complete 20 semester hours of elective course work. Two of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement and the NU Core social science level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

COMPUTER SCIENCE CREDIT REQUIREMENT

Complete 60 semester hours in the major. Acceptable courses for this requirement include all CS courses and any courses from the following list:

IS 4200	Information Retrieval	4 SH
IS 4300	Human Computer Interaction	4 SH
MATH 2310	Discrete Mathematics	4 SH

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

135 total semester hours required

Minimum 2.000 GPA required

BACS—Bachelor of Arts in Computer Science**COMPUTER SCIENCE MAJOR REQUIREMENTS***Computer Science Overview*

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following six courses:

CS 2600	Computer Organization	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3600	Systems and Networks	4 SH
CS 3800	Theory of Computation	4 SH
CS 4500	Software Development	4 SH
CS 4800	Algorithms and Data	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Capstone

Complete one of the following courses (thus satisfying the NU Core capstone requirement):

CS 4100	Artificial Intelligence	4 SH
CS 4300	Computer Graphics	4 SH
CS 4410	Compilers	4 SH
CS 4550	Web Development	4 SH
CS 4650	High Performance Computing	4 SH

CS 4750	Secure Wireless Ad Hoc Robots on Mission (SWARM) 1	4 SH
CS 4760	Secure Wireless Ad Hoc Robots on Mission (SWARM) 2	4 SH
CS 4900	Honors Senior Seminar	4 SH
IS 4900	Information Science Senior Project	5 SH

ADDITIONAL COURSES FOR BA*Mathematics Courses*

Complete the following three courses. A grade of C– or higher is required in MATH 1341 and MATH 1342:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 3081	Probability and Statistics	4 SH

Science Courses

Complete one course with corresponding lab and recitation for one of the following groups:

BIOLOGY		
BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

CHEMISTRY		
CHEM 1101	General Chemistry for Health Sciences	4 SH
with CHEM 1102	Lab for CHEM 1101	1 SH
CHEM 1151	General Chemistry for Engineers	4 SH
with CHEM 1152	Lab for CHEM 1151	1 SH

GEOLOGY/ENVIRONMENTAL SCIENCE		
ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH
ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH

PHYSICS		
PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH

Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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UPPER-DIVISION ELECTIVE*Computer Science or Mathematics Upper-Division Elective*

Complete one upper-division course in computer science, information science, or mathematics. With advisor approval, a directed study, project study, or an appropriate graduate-level course may also be taken as a computer science elective.

CS 2990 to CS 4993		
IS 4200	Information Retrieval	4 SH
IS 4300	Human Computer Interaction	4 SH

MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2331	Linear Algebra	4 SH
MATH 2351	Ordinary Differential Equations	4 SH
MATH 3000 to MATH 4024		
MATH 4026 to MATH 4581		

COMPUTER SCIENCE ENGLISH REQUIREMENT

College Writing

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete ten general electives. One of these electives must be used to satisfy the NU Core social science level 1 requirement. One of the electives must be an arts course from the NU Core arts/humanities level 1 domain, and one must be a humanities course from the NU Core arts/humanities level 1 domain (see page 31 for information on arts courses vs. humanities courses). If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

Complete the requirements for the BA degree, including the three required foreign language courses. See page 31 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

UNIVERSITY-WIDE REQUIREMENTS

134 total semester hours required
Minimum 2.000 GPA required

BSCS/MSCS—Bachelor of Science/Master of Science in Computer Science

COMPUTER SCIENCE MAJOR REQUIREMENTS

Computer Science Overview

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following four courses:

CS 2600	Computer Organization	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4500	Software Development	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Capstone

Complete one of the following courses (thus satisfying the NU Core capstone requirement):

CS 4100	Artificial Intelligence	4 SH
CS 4300	Computer Graphics	4 SH
CS 4410	Compilers	4 SH
CS 4550	Web Development	4 SH
CS 4900	Honors Senior Seminar	4 SH
IS 4900	Information Science Senior Project	5 SH

Computer Science Upper-Division Elective

Complete one upper-division computer science course. With advisor approval, a directed study, project study, or appropriate graduate-level course may also be taken as an upper-division elective.

CS 2990 to CS 4993		
IS 4200	Information Retrieval	4 SH
IS 4300	Human Computer Interaction	4 SH

ADDITIONAL COURSES FOR BS**Mathematics Courses**

Complete the following four courses. A grade of C– or higher is required in MATH 1341 and MATH 1342:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2331	Linear Algebra	4 SH
MATH 3081	Probability and Statistics	4 SH

Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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Science Requirement

Complete two courses with corresponding labs and recitations for one of the following sciences:

BIOLOGY

Complete the following course with corresponding lab:

BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

and complete a second course with corresponding lab from the following list:

BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH
BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH

CHEMISTRY

Complete the following two courses with corresponding labs:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

GEOLOGY/ENVIRONMENTAL SCIENCE (OPTION 1)

Complete the following two courses with corresponding labs:

ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH
ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH

GEOLOGY/ENVIRONMENTAL SCIENCE (OPTION 2)

Complete the following course with corresponding lab:

ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH

and complete an additional course with corresponding lab from the following list:

ENVR 2310	Earth Materials	4 SH
with ENVR 2311	Lab for ENVR 2310	1 SH
ENVR 2340	Earth Landforms and Processes	4 SH
with ENVR 2341	Lab for ENVR 2340	1 SH
ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH
ENVR 4106	Coastal Processes	4 SH
with ENVR 4107	Lab for ENVR 4106	1 SH

ENVR 4500	Applied Hydrogeology	4 SH
with ENVR 4501	Lab for ENVR 4500	1 SH
ENVR 5244	Sedimentation	4 SH
with ENVR 5245	Lab for ENVR 5244	1 SH

GEOLOGY/ENVIRONMENTAL SCIENCE (OPTION 3)

Complete the following two courses with corresponding labs:

ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH
ENVR 5242	Ancient Marine Life	4 SH
with ENVR 5243	Lab for ENVR 5242	1 SH

PHYSICS

Complete one of the following sequences of courses:

SEQUENCE A

PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

SEQUENCE B

PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
PHYS 1147	Physics for Life Sciences 2	4 SH
with PHYS 1148	Lab for PHYS 1147	1 SH

SEQUENCE C

PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Electrical Engineering

Complete the following course:

EECE 3230	Computer Architecture for Computer Scientists	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

ELECTIVES OUTSIDE COMPUTER AND INFORMATION SCIENCE**Depth or Breadth Elective Requirement**

Complete three courses from either the depth option or the breadth option.

DEPTH

Complete three courses in one department outside computer science and information science. *Note:* For the purposes of this requirement, all business courses are considered to be in a single department.

BREADTH

Complete three courses in arts, humanities, or social sciences.

Remaining Electives

Complete 20 semester hours of elective course work. Two of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement and the NU Core social science level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

COMPUTER SCIENCE MASTER'S-LEVEL COURSES TAKEN AS AN UNDERGRADUATE**Required Master's-Level Computer Science Core Courses**

Complete the following three courses:

CS 5400	Principles of Programming Language	4 SH
CS 5600	Computer Systems	4 SH
CS 5800	Algorithms	4 SH

Master's-Level Computer Science Electives

Complete one master's-level course to count toward undergraduate requirements. Master's-level computer science electives may be chosen from either master's courses or from those PhD courses for which the student is qualified. *Note:* The following course:

CS 5010	Programming Design Paradigm	4 SH
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may not be taken as a master's-level computer science elective because it duplicates material taught in the undergraduate curriculum.

COMPUTER SCIENCE MASTER'S-LEVEL COURSES TAKEN AS A GRADUATE STUDENT**Master's-Level Computer Science Electives**

Complete four master's-level courses. Master's-level computer science electives may be chosen from either master's courses or from those PhD courses for which the student is qualified. *Note:* The following course:

CS 5010	Programming Design Paradigm	4 SH
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may not be taken as a master's-level computer science elective because it duplicates material taught in the undergraduate curriculum.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

COMPUTER SCIENCE CREDIT REQUIREMENT

Complete 60 semester hours of undergraduate course work in the major. Acceptable courses for this requirement include all CS courses and any courses from the following list:

IS 4200	Information Retrieval	4 SH
IS 4300	Human Computer Interaction	4 SH
MATH 2310	Discrete Mathematics	4 SH

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

135 total semester hours required for the bachelor's degree
Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

33 total semester hours of graduate course work required
Minimum 3.000 GPA required for graduate courses

Minor in Computer Science

The requirements for the minor in computer science are shown below. Students who wish to take a particular course must have taken its prerequisites. *Note:* Electrical and computer engineering students should contact the College of Computer and Information Science about course substitutions that ease completion of the minor in computer science.

REQUIRED COURSES

Complete the following two courses with corresponding labs. A grade of C– or higher is required:

CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH

COMPUTER SCIENCE ELECTIVES

Complete three courses from the following list:

CS 2000 to CS 4989		
IS 4200	Information Retrieval	4 SH
IS 4300	Human Computer Interaction	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

INFORMATION SCIENCE

Making the most of information technology—ensuring that it serves the goals and needs of users, clients, and society—is a tremendous challenge, one that requires a unique blend of knowledge and skills. The field of information science (IS) focuses on the relationship between computers, the people who use them, and the contexts in which they operate. IS seeks to further our understanding of: (1) information itself: where it comes from, how it is organized, and how it is used; (2) the design of computer applications that are usable, socially acceptable, and achieve the goals for which they were created; (3) the impact of information technology (IT) on human life and work; and (4) how the nature of the information, the goals of the users, and the relevant social policies and laws both influence and are influenced by the technical aspects of computer systems.

Information science majors have an opportunity to acquire a strong technical foundation by taking classes in mathematics, logic, and computer science and to acquire a strong foundation in behavioral science by taking classes in cognitive psychology, economics, and statistics. A course in the principles of information science introduces students to important intellectual frameworks such as decision theory, general systems theory, and social informatics, and to topics of current importance such as digital copyright, trusted systems, and Internet privacy policy. Building on these foundations, the IS core develops expertise in the design, management, and evaluation of information technology-based resources and systems. Elective courses cover topics such as text/hypertext retrieval, artificial intelligence, information security, e-commerce, and data mining.

BSIS—Bachelor of Science in Information Science

COMPUTER SCIENCE COURSES

Computer Science Overview

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following four courses:

CS 2600	Computer Organization	4 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3600	Systems and Networks	4 SH

INFORMATION SCIENCE COURSES

Required Courses in Information Science

Complete the following five courses:

IS 2000	Principles of Information Science	4 SH
IS 3500	Information System Design and Development	4 SH

IS 4300	Human Computer Interaction	4 SH
IS 4800	Empirical Research Methods	4 SH
IS 4900	Information Science Senior Project	5 SH

Managing Information

Complete the following course:

MISM 3305	Information Resource Management	4 SH
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Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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Information Science Electives

Complete two courses from the following list:

IS 2990 to IS 4993

CS 2600	Computer Organization	4 SH
CS 3200 to CS 4993		
ACCT 1201	Financial Accounting and Reporting	4 SH
or ACCT 1209	Financial Accounting and Reporting	4 SH
ACCT 3403	Accounting Information Systems	4 SH
COMM 1231	Principles of Organizational Communication	4 SH
COMM 2531	Application of Organizational Communication	4 SH
COMM 3532	Theories of Conflict and Negotiation	4 SH
ECON 3560	Applied Econometrics	4 SH
LING 3450	Syntax	4 SH
LING 3452	Semantics	4 SH
MISM 3408	Knowledge Management	4 SH
MISM 4501	Business Systems Integration	4 SH
MISM 4512	Special Topics in Information Technology Management	4 SH
POLS 2390	Science, Technology, and Public Policy	4 SH
PSYC 3450	Learning and Motivation	4 SH
PSYC 3452	Sensation and Perception	4 SH
PSYC 3458	Psychobiology	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 4520	Language and the Brain	4 SH
PSYC 4604	Laboratory in Learning and Motivation	4 SH
PSYC 4606	Laboratory in Psychobiology	4 SH
PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4622	Laboratory in Sensation and Perception	4 SH

MATHEMATICS REQUIREMENTS

Calculus

Complete the following course with a grade of C– or higher:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
or MATH 1340	Intensive Calculus for Engineers	6 SH

Statistics

Complete the following course:

ECON 2350	Statistics	4 SH
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BEHAVIORAL SCIENCE FOUNDATIONS**Economics**

Complete the following course:

ECON 1116	Principles of Microeconomics	4 SH
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Psychology

Complete the following two courses:

PSYC 1101	Foundations of Psychology	4 SH
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PSYC 3466	Cognition	4 SH
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Organizational Behavior

Complete the following course:

ORGB 3201	Organizational Behavior	4 SH
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or ORGB 3209	Organizational Behavior	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
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ENGL 3302	Advanced Writing in the Technical Professions	4 SH
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REQUIRED GENERAL ELECTIVES**Science Elective**

One general elective must be a science course chosen from the NU Core science/technology level 1 domain. This course may not be a technology course. Corresponding lab must be taken with lecture where applicable. *Note:* For this requirement, a science course is defined to be any course in the NU Core science/technology level 1 domain that is not in the College of Computer and Information Science or in the College of Engineering.

Additional General Electives

Complete six additional general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

INFORMATION SCIENCE MAJOR CREDIT REQUIREMENT

Complete 73 semester hours in CS and IS for the major.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

133 total semester hours required

Minimum 2.000 GPA required

Minor in Information Science

The requirements for the minor in information science are shown below. Students who wish to take a particular course must have taken its prerequisites.

REQUIRED COURSES

Complete the following three courses with corresponding labs, where indicated. A grade of C– or higher is required in CS 2500 and CS 2510:

CS 2500	Fundamentals of Computer Science 1	4 SH
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with CS 2501	Lab for CS 2500	1 SH
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CS 2510	Fundamentals of Computer Science 2	4 SH
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with CS 2511	Lab for CS 2510	1 SH
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IS 2000	Principles of Information Science	4 SH
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INFORMATION SCIENCE ELECTIVES

Complete two courses from the following list:

CS 3200	Database Design	4 SH
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IS 2000 to IS 4989		
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GPA REQUIREMENT

2.000 GPA required in the minor

COMPUTER AND INFORMATION SCIENCE COMBINED MAJORS

The college offers combined majors with business administration, cognitive psychology, biology, mathematics, physics, environmental science, game design, interactive media, music technology, and digital art, as well as a combined major in computer science and information science. Each of the combined majors offers the opportunity for intense study in two disciplines with appropriate breadth in the liberal arts. Students take eight to twelve courses in each discipline and two or three integrative courses that bind the disciplines together. These programs offer an excellent educational opportunity for the ambitious student.

BS in Computer Science and Information Science**COMPUTER SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
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CS 1210	Computer/Information Science Overview 2	1 SH
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Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following eight courses:

CS 2600	Computer Organization	4 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3600	Systems and Networks	4 SH
CS 3800	Theory of Computation	4 SH
CS 4400	Programming Languages	4 SH
CS 4500	Software Development	4 SH
CS 4800	Algorithms and Data	4 SH

INFORMATION SCIENCE COURSES

Required Courses in Information Science

Complete the following five courses:

IS 2000	Principles of Information Science	4 SH
IS 3500	Information System Design and Development	4 SH
IS 4300	Human Computer Interaction	4 SH
IS 4800	Empirical Research Methods	4 SH
IS 4900	Information Science Senior Project	5 SH

Sociology

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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Managing Information

Complete the following course:

MISM 3305	Information Resource Management	4 SH
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BEHAVIORAL SCIENCE FOUNDATIONS

Economics

Complete the following course:

ECON 1116	Principles of Microeconomics	4 SH
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Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Organizational Behavior

Complete the following course:

ORGB 3209	Organizational Behavior	4 SH
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MATHEMATICS AND STATISTICS REQUIREMENTS

Calculus

Complete the following two courses with a grade of C– or higher in MATH 1341:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 2331	Linear Algebra	4 SH

Statistics

Complete the following course:

ECON 2350	Statistics	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT

College Writing

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Science Elective

One general elective must be a science course chosen from the NU Core science/technology level 1 domain. This course may not be a technology course. Corresponding lab must be taken with lecture where applicable. *Note:* For this requirement, a science course is defined to be any course in the NU Core science/technology level 1 domain that is not in the College of Computer and Information Science or in the College of Engineering.

Additional General Electives

Complete four additional general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

UNIVERSITY-WIDE REQUIREMENTS

133 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Biology**COMPUTER SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete one of the following sets of courses:

CS 1200	Computer/Information Science Overview 1	1 SH
with CS 1210	Computer/Information Science Overview 2	1 SH
or BIOL 1000	Biology/Biochemistry at Northeastern	1 SH
with BIOL 1106	Introduction to Experiential Education	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with a grade of C– or higher:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following three courses:

CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 4500	Software Development	4 SH

Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Integrative Courses

Complete the following two courses:

CS 3800	Theory of Computation	4 SH
CS 4800	Algorithms and Data	4 SH

BIOLOGY COURSES**Required Biology**

Complete one course with corresponding lab for Biology 1, Biology 2, and Genetics and Molecular Biology:

BIOLOGY 1		
BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH
BIOLOGY 2		
BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

GENETICS AND MOLECULAR BIOLOGY

BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH

Chemistry Courses

Complete the following four courses with corresponding labs:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

Biology Capstone

Complete the following course:

BIOL 4701	Biology Capstone	4 SH
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Biology Integrative Course

Complete one of the following courses with corresponding lab, as indicated:

BIOL 3407	Molecular Cell Biology	4 SH
BIOL 5531	Molecular Ecology and Evolution	4 SH
with BIOL 5532	Lab for BIOL 5531	1 SH
BIOL 5547	Sociobiology	4 SH
BIOL 5587	Comparative Neurobiology	4 SH
BIOL 6308	Bio IT Methods 1—Genome and Proteome Analysis	4 SH

Intermediate and Advanced Biology Electives

Complete two biology courses (with labs, if offered, 9–10 semester hours total) numbered 2311 or above. One course (with corresponding lab, 5 semester hours total) must be from the following list:

BIOL 2311	Ecology	4 SH
with BIOL 2312	Lab for BIOL 2311	1 SH
BIOL 2313	Plant Biology	4 SH
with BIOL 2314	Lab for BIOL 2313	1 SH
BIOL 2315	Invertebrate Zoology	4 SH
with BIOL 2316	Lab for BIOL 2315	1 SH
BIOL 2317	Vertebrate Zoology	4 SH
with BIOL 2318	Lab for BIOL 2317	1 SH
BIOL 2319	Regulatory Cell Biology	4 SH
with BIOL 2320	Lab for BIOL 2319	1 SH
BIOL 2321	Microbiology	4 SH
with BIOL 2322	Lab for BIOL 2321	1 SH
BIOL 2323	Biochemistry	4 SH
with BIOL 2324	Lab for BIOL 2323	1 SH
BIOL 2325	Marine Biology	4 SH
with BIOL 2326	Lab for BIOL 2325	1 SH

An additional course (with lab, if offered, 4–5 semester hours total) must be in the following range:

BIOL 2311 to BIOL 4989

MATHEMATICS REQUIREMENTS

Complete the following two calculus courses with a grade of C– or higher, and complete the probability and statistics course:

Calculus

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

Probability and Statistics

MATH 3081	Probability and Statistics	4 SH
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COMPUTERS AND SOCIETY

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete six general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement and one must be used to satisfy the NU Core social science level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

141 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Business Administration**COMPUTER SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following six courses:

CS 2600	Computer Organization	4 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3600	Systems and Networks	4 SH
CS 3800	Theory of Computation	4 SH
CS 4500	Software Development	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Upper-Division CS/IS Elective

Complete one upper-division CS/IS elective. With advisor approval, a directed study, project study, or appropriate graduate-level course may also be taken as a computer science elective:

CS 3200 to CS 4993		
IS 4200	Information Retrieval	4 SH
IS 4300	Human Computer Interaction	4 SH

BUSINESS COURSES**Required Business Courses**

Complete the following seven courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH
FINA 2201	Financial Management	4 SH
MGSC 1201	Business Statistics	4 SH

MKTG 2201	Introduction to Marketing	4 SH
ORGB 3201	Organizational Behavior	4 SH
STRT 4501	Strategy in Action	4 SH

BUSINESS CONCENTRATION

Complete a four-course business concentration from the following list:

Concentration in Accounting

ACCOUNTING REQUIRED COURSES

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and Innovation

ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance

FINANCE REQUIRED COURSES

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management

MANAGEMENT REQUIRED COURSE

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Marketing

MARKETING REQUIRED COURSES

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management

SUPPLY CHAIN MANAGEMENT REQUIRED COURSES

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

INFORMATION RESOURCE MANAGEMENT

Complete the following course. *Note:* MISM 3305 is an integrative course:

MISM 3305	Information Resource Management	4 SH
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MATHEMATICS AND GENERAL REQUIREMENTS

Mathematics

Complete one of the following courses:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH

Economics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT

College Writing

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES—CS/IS AND BUSINESS

Complete three general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives. *Note:* Students pursuing the computer science/business administration combined major may satisfy the latter requirement by completing the following course:

INTB 1203	International Business and Global Social Responsibility	4 SH
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MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

133 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Cognitive Psychology**COMPUTER SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following five courses:

CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4100	Artificial Intelligence	4 SH
CS 4500	Software Development	4 SH
IS 4300	Human Computer Interaction	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Elective Courses

Complete two upper-division computer science courses. With advisor approval, directed study, project study, and appropriate graduate-level courses may also be taken as computer science electives:

CS 2600	Computer Organization	4 SH
CS 3200 to CS 4993		
IS 4200	Information Retrieval	4 SH

PSYCHOLOGY COURSES**Required Courses**

Complete the following four courses:

PSYC 1101	Foundations of Psychology	4 SH
PSYC 2320	Statistics in Psychological Research	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

Advanced Psychology

Complete one course from the following list:

PSYC 3452	Sensation and Perception	4 SH
PSYC 3458	Psychobiology	4 SH

Laboratory in Psychology

Complete one course from the following list:

PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4622	Laboratory in Sensation and Perception	4 SH

Seminar in Psychology

Complete one course from the following list:

PSYC 4658	Seminar in Psycholinguistics	4 SH
PSYC 4660	Seminar in Cognition	4 SH
PSYC 4668	Seminar in Sensation and Perception	4 SH

Psychology Electives

Complete two courses from the following list: *Note:* Courses satisfying the categories above cannot be reused:

PSYC 3402	Social Psychology	4 SH
PSYC 3450	Learning and Motivation	4 SH
PSYC 3452	Sensation and Perception	4 SH
PSYC 3458	Psychobiology	4 SH
PSYC 3526	Categorization and Reasoning	4 SH
PSYC 4520	Language and the Brain	4 SH
PSYC 4522	Psychology of Reading	4 SH
PSYC 4524	Cognitive Development	4 SH
PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4622	Laboratory in Sensation and Perception	4 SH
PSYC 4652	Seminar in Ethics in Psychology	4 SH
PSYC 4658	Seminar in Psycholinguistics	4 SH
PSYC 4660	Seminar in Cognition	4 SH
PSYC 4668	Seminar in Sensation and Perception	4 SH
PSYC 4970	Junior/Senior Honors Project 1	4 SH
with PSYC 4971	Junior/Senior Honors Project 2	4 SH

ADDITIONAL REQUIREMENTS**Calculus**

Complete the following course:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
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Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete eight general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

133 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Digital Art**COMPUTER SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following four courses:

CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4500	Software Development	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Integrative Courses

Complete the following two courses:

CS 4300	Computer Graphics	4 SH
IS 4300	Human Computer Interaction	4 SH

Computer Science Elective Courses

Complete two upper-division computer science courses. With advisor approval, directed study, project study, and appropriate graduate-level courses may also be taken as computer science electives:

CS 2600	Computer Organization	4 SH
CS 3200 to CS 4993		
IS 4200	Information Retrieval	4 SH

DIGITAL ART COURSES**Required Digital Art Courses**

Complete the following four courses with corresponding tools courses, as indicated:

ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH

Digital Art Electives

Complete six courses with corresponding tools courses, as indicated, from the six categories below. Normally, students are expected to complete all prerequisites for courses they wish to take. For exceptions based on some form of alternate experience, seek permission of instructor:

BASICS

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH

PHOTOGRAPHY

ARTD 3460	Photography 1	4 SH
ARTD 4565	Photography 2	4 SH
ARTD 4661	Alternative Photographic Processes	4 SH

ANIMATION

ARTD 3470	Animation Studio 1	4 SH
ARTD 4570	Animation Studio 2	4 SH
ARTD 4575	Animation Studio 3	4 SH

VIDEO

ARTD 3480	Video 1	4 SH
ARTD 4580	Video 2	4 SH
ARTD 4680	Video 3	4 SH

HISTORY

ARTH 2212	Survey of the Still and Moving Image	4 SH
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DIRECTIONS

ARTD 4530	Contemporary Directions in Digital Art	4 SH
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Digital Art Capstone Requirement

Complete the following course:

ARTD 4670	Digital Art Degree Project	4 SH
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GENERAL REQUIREMENTS**Social Science Level 1**

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Mathematics

Complete the following course:

MATH 2331	Linear Algebra	4 SH
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Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete four general electives. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

137 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Environmental Science**COMPUTER SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following five courses:

CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4500	Software Development	4 SH
CS 4800	Algorithms and Data	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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ENVIRONMENTAL SCIENCE COURSES***Environmental Science Required Courses***

Complete the following four courses with corresponding labs, as indicated:

ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH
ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH
or ENVR 2310	Earth Materials	4 SH
with ENVR 2311	Lab for ENVR 2310	1 SH
ENVR 4900	Earth and Environmental Science Capstone	1 SH
ENVR 5210	Environmental Planning	4 SH
or ENVR 5250	Geology and Land-Use Planning	4 SH

Environmental Science Integrative Courses

Complete at least two of the following courses. If the course has a corresponding lab, the lab must also be completed:

ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH
ENVR 3302	Introduction to Remote Sensing	4 SH
with ENVR 3303	Lab for ENVR 3302	1 SH
ENVR 3418	Geophysics	4 SH
ENVR 4500	Applied Hydrogeology	4 SH
with ENVR 4501	Lab for ENVR 4500	1 SH
ENVR 5280	Groundwater Modeling	4 SH

Environmental Science Electives

Complete four courses. If a course has a corresponding lab, the lab must also be completed. If you complete more than two courses from the environmental science integrative courses (above), these courses count as environmental science electives:

ENVR 1101	Environmental Science	4 SH
ENVR 2340	Earth Landforms and Processes	4 SH
with ENVR 2341	Lab for ENVR 2340	1 SH
ENVR 3400	Field Geology	4 SH
ENVR 3410	Environmental Geochemistry	4 SH
ENVR 4106	Coastal Processes	4 SH
with ENVR 4107	Lab for ENVR 4106	1 SH
ENVR 4504	Environmental Pollution	4 SH
ENVR 4505	Wetlands	4 SH
ENVR 4563	Advanced Spatial Analysis	4 SH
ENVR 5190	Soil Science	4 SH
ENVR 5201	Geologic Field Seminar	4 SH
ENVR 5230	Structural Geology	4 SH
with ENVR 5231	Lab for ENVR 5230	1 SH
ENVR 5240	Sedimentary Basin Analysis	4 SH
with ENVR 5241	Lab for ENVR 5240	1 SH
ENVR 5242	Ancient Marine Life	4 SH
with ENVR 5243	Lab for ENVR 5242	1 SH
ENVR 5244	Sedimentation	4 SH
ENVR 5248	Marine Geology	4 SH
ENVR 5270	Glacial and Quaternary History	4 SH
with ENVR 5271	Lab for ENVR 5270	1 SH

ENVR 5282	Groundwater Geochemistry	4 SH
INTL 4937	Dialogue of Civilizations: Science and Technology	4 SH

ADDITIONAL REQUIREMENTS***Calculus***

Complete the following two courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
or MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
or MATH 1342	Calculus 2 for Science and Engineering	4 SH

Chemistry

Complete the following two courses with corresponding labs:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT***College Writing***

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete seven general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement and one must be used to satisfy the NU Core social science level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

137 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Game Design**COMPUTER SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following three courses:

CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4500	Software Development	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Integrative Courses

Complete the following two courses:

CS 4300	Computer Graphics	4 SH
IS 4300	Human Computer Interaction	4 SH

GENERAL REQUIREMENTS**Social Science Level I**

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Mathematics

Complete the following course:

MATH 1260	Math Fundamentals for Games	4 SH
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Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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GAME DESIGN COURSES**Art + Design Courses**

Complete the following five courses with corresponding tools courses, as indicated:

ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH

Game Design Courses

Complete the following seven courses:

GAME 1110	Games and Society	4 SH
GAME 2150	Programming for Games	4 SH
GAME 3150	Game Design Algorithms	4 SH
GAME 3700	Game Projects: Preproduction	4 SH
GAME 3800	Game Projects: Assets and Prototyping	4 SH
GAME 4700	Game Design Capstone 1	4 SH
GAME 4701	Game Design Capstone 2	4 SH

CREATIVE INDUSTRIES ELECTIVES

Complete three courses from the following lists. If the course has prerequisites, the student must complete those first unless permission is obtained in advance from the program office. If the course requires a corresponding lab or tools course, that course must be taken as well:

Art + Design

ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH

Computer Science

CS 3200	Database Design	4 SH
CS 4100	Artificial Intelligence	4 SH
CS 4400	Programming Languages	4 SH
CS 4550	Web Development	4 SH
CS 4800	Algorithms and Data	4 SH
CS 4910	Computer Science Topics	4 SH
CS 4992	Directed Study	4 SH
CS 4993	Independent Study	4 SH

Digital Art—Animation

ARTD 3470	Animation Studio 1	4 SH
ARTD 4570	Animation Studio 2	4 SH
ARTD 4575	Animation Studio 3	4 SH

Digital Art—Photography

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 3460	Photography 1	4 SH
ARTD 4565	Photography 2	4 SH
ARTD 4661	Alternative Photographic Processes	4 SH

Digital Art—Video

ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH
ARTD 3480	Video 1	4 SH

Game Design

GAME 3250	Artificial Intelligence for Games	4 SH
GAME 3300	Game Interface Design	4 SH
GAME 3400	Level Design and Game Architecture	4 SH
GAME 3500	Animation for Games	4 SH
GAME 3899	Topics in Game Design	4 SH

Graphic Design

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH
ARTG 2252	Graphic Design 1	4 SH
ARTG 3350	Typography 2	4 SH

Interactive Media

IM 1110	Interactive Media and Society	4 SH
IM 2100	Digital Narrative 1	4 SH
IM 2200	Digital Narrative 2	4 SH
IM 2300	Managing Media Development	4 SH
IM 2400	Web Design and Development	4 SH
with IM 2401	Web Development Tools	1 SH
IM 3200	Interactive Sound Development	4 SH
IM 3899	Topics in Interactive Media	4 SH

Psychology

PSYC 3452	Sensation and Perception	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete three general electives. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

139 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Interactive Media**COMPUTER SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following three courses:

CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4500	Software Development	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Integrative Courses

Complete the following two courses:

CS 4300	Computer Graphics	4 SH
IS 4300	Human Computer Interaction	4 SH

INTERACTIVE MEDIA REQUIREMENTS**Interactive Media Courses**

Complete the following seven courses with corresponding lab, as indicated:

IM 1110	Interactive Media and Society	4 SH
IM 2100	Digital Narrative 1	4 SH
IM 2250	Programming for Digital Media	4 SH

IM 2400	Web Design and Development	4 SH
with IM 2401	Web Development Tools	1 SH
IM 3200	Interactive Sound Development	4 SH
IM 4700	Interactive Media Capstone 1	4 SH
IM 4701	Interactive Media Capstone 2	4 SH

Art + Design Courses

Complete the following four courses with corresponding tools courses:

ARTF 1122	2D Foundation	4 SH
with ARTF 1123	2D Tools: Imaging Basics	1 SH
ARTF 1124	3D Foundation	4 SH
with ARTF 1125	3D Tools: Form Basics	1 SH
ARTF 2220	4D Foundation	4 SH
with ARTF 2221	4D Tools: Motion Basics	1 SH
ARTF 2223	Interactive Foundation	4 SH
with ARTF 2224	Interactive Tools	1 SH

GENERAL REQUIREMENTS**Social Science Level 1**

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Mathematics

Complete the following course:

MATH 1260	Math Fundamentals for Games	4 SH
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Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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CREATIVE INDUSTRIES ELECTIVES

Complete four courses from the following lists. If the course has prerequisites, the student must complete those first unless permission is obtained in advance from the program office. If the course requires a corresponding lab or tools course, that course must be taken as well:

Art + Design

ARTH 1111	Art + Design History since 1400	4 SH
ARTH 2210	Art + Design History, 1900 to 1945	4 SH
ARTH 2212	Survey of the Still and Moving Image	4 SH

Computer Science

CS 3200	Database Design	4 SH
CS 4100	Artificial Intelligence	4 SH
CS 4400	Programming Languages	4 SH
CS 4550	Web Development	4 SH
CS 4800	Algorithms and Data	4 SH
CS 4910	Computer Science Topics	4 SH
CS 4991	Research	4 SH
CS 4992	Directed Study	4 SH
CS 4993	Independent Study	4 SH

Digital Art—Animation

ARTD 2370	Animation Basics	4 SH
with ARTD 2371	Animation Tools	1 SH
ARTD 3470	Animation Studio 1	4 SH

Digital Art—Photography

ARTD 2360	Photo Basics	4 SH
with ARTD 2361	Photo Tools	1 SH
ARTD 3460	Photography 1	4 SH

Digital Art—Video

ARTD 2380	Video Basics	4 SH
with ARTD 2381	Video Tools	1 SH
ARTD 3480	Video 1	4 SH

Game Design

GAME 1110	Games and Society	4 SH
GAME 2150	Programming for Games	4 SH
GAME 3150	Game Design Algorithms	4 SH
GAME 3250	Artificial Intelligence for Games	4 SH
GAME 3300	Game Interface Design	4 SH
GAME 3400	Level Design and Game Architecture	4 SH
GAME 3899	Topics in Game Design	4 SH

Graphic Design

ARTG 2250	Typography 1	4 SH
with ARTG 2251	Type Tools	1 SH
ARTG 2252	Graphic Design 1	4 SH
ARTG 3350	Typography 2	4 SH

Interactive Media

IM 2200	Digital Narrative 2	4 SH
IM 2300	Managing Media Development	4 SH
IM 3250	Physical Computing	4 SH
IM 3500	Cross-Media Marketing and Communication	4 SH
IM 3600	Market Analysis for the Creative Industries	4 SH
IM 3700	Interface and Virtual Environments	4 SH
IM 3899	Topics in Interactive Media	4 SH

Psychology

PSYC 3452	Sensation and Perception	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete three general electives. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

MAJOR GPA AND GRADE REQUIREMENT

Minimum 2.670 GPA required in all CS and IS courses. A grade of C or higher is required in all major courses.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

138 total semester hours required
Minimum 2.000 GPA required

BS in Computer Science and Mathematics**COMPUTER SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following five courses:

CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4300	Computer Graphics	4 SH
CS 4500	Software Development	4 SH
CS 4800	Algorithms and Data	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Elective Courses

Complete two upper-division computer science courses. With advisor approval, directed study, project study, and appropriate graduate-level courses may also be taken as computer science electives:

CS 2600	Computer Organization	4 SH
CS 3200 to CS 4993		
IS 4200	Information Retrieval	4 SH
IS 4300	Human Computer Interaction	4 SH

MATHEMATICS COURSES**Calculus Courses**

Complete the following three courses with a grade of C– or higher in MATH 1341 and MATH 1342:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH

Mathematics Courses

Complete the following five courses:

MATH 2331	Linear Algebra	4 SH
MATH 2351	Ordinary Differential Equations	4 SH
MATH 3081	Probability and Statistics	4 SH
MATH 3175	Group Theory	4 SH
MATH 3527	Number Theory	4 SH

Co-op Seminar

Complete the following course after the first co-op is completed:

MATH 3000	Co-op and Experiential Learning Reflection Seminar 1	1 SH
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Mathematics Electives

Complete three upper-division mathematics courses from the following list. *Note:* MATH 4000 may not be used for this requirement:

MATH 3001 to MATH 4999

COMPUTERS AND SOCIETY

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete seven general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement, and one must be used to satisfy the NU Core social science level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

134 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Music with Concentration in Music Technology

COMPUTER SCIENCE COURSES**Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following four courses:

CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4500	Software Development	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Integrative Course

Complete the following course:

IS 4300	Human Computer Interaction	4 SH
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Computer Science Elective Courses

Complete two upper-division computer science courses. With advisor approval, directed study, project study, and appropriate graduate-level courses may also be taken as computer science electives:

CS 2600	Computer Organization	4 SH
CS 3200 to CS 4993		
IS 4200	Information Retrieval	4 SH

MUSIC TECHNOLOGY COURSES**Music Theory**

Complete the following two courses. Music theory and musicianship courses should be taken concurrently, as indicated:

MUSC 1201	Music Theory 1	4 SH
with MUSC 1241	Musicianship 1	1 SH
MUSC 1202	Music Theory 2	4 SH
with MUSC 1242	Musicianship 2	1 SH

Music Literature and History

Complete the following two courses. *Note:* MUSC 2308 is a prerequisite to MUST 2315:

MUSC 2308	Principles of Music Literature	4 SH
MUST 2315	History of Electronic Music	4 SH

Music Technology

Complete the following four courses in the order indicated:

MUST 1220	Music and Technology 1	4 SH
MUST 1221	Music and Technology 2	4 SH
MUST 3422	Music Composition Seminar 2	4 SH
MUST 4520	Interactive Real-Time Performance	4 SH

Electronic Composition and Performance

Complete the following two courses in the order indicated:

MUST 4610	Composition for Electronic Instruments	4 SH
MUST 4611	Music Technology Capstone/Senior Recital	4 SH

Music Technology Integrative Course

Complete the following course:

MUST 3421	Digital Audio Processing	4 SH
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Music Lessons

Complete the following (repeatable) course four times:

MUSC 1903	Composition Lessons	1 SH
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Music Elective Requirements

Complete two additional courses from the following list with corresponding musicianship courses, as indicated. *Note:* MUSC 2303 is a prerequisite for MUSC 2304; MUSC 2308 is a prerequisite for MUSC 2311, MUSC 2312, and MUSC 2313:

INAM 4699	Advanced Television Production	4 SH
MUSC 2303	Music Theory 3	4 SH
with MUSC 2343	Musicianship 3	1 SH
MUSC 2304	Music Theory 4	4 SH
with MUSC 2344	Musicianship 4	1 SH
MUSC 2311	Historical Traditions 1: America	4 SH
MUSC 2312	Historical Traditions 2: Classical	4 SH
MUSC 2313	Historical Traditions 3: World	4 SH
MUSI 2233	Music Production for Radio and Web	4 SH
MUST 2320	Sound Design	4 SH

GENERAL REQUIREMENTS

Foundations of Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT

College Writing

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete four general electives. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

UNIVERSITY-WIDE REQUIREMENTS

139 total semester hours required

Minimum 2.000 GPA required

BS in Computer Science and Physics

COMPUTER SCIENCE COURSES

Computer Science Overview

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following four courses:

CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4500	Software Development	4 SH
CS 4800	Algorithms and Data	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Computer Science Elective Course

Complete one upper-division computer science course. Either this course or one physics elective must satisfy the NU Core capstone requirement. With advisor approval, a directed study, project study, or appropriate graduate-level course may also be taken as a computer science elective:

CS 2600	Computer Organization	4 SH
CS 3200 to CS 4993		
IS 4200	Information Retrieval	4 SH
IS 4300	Human Computer Interaction	4 SH

PHYSICS COURSES

Required Courses

Complete the following two courses with corresponding labs:

PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

Intermediate Physics

Complete the following three courses with corresponding lab, as indicated:

PHYS 2303	Modern Physics	4 SH
PHYS 2305	Thermodynamics and Statistical Mechanics	4 SH
PHYS 2371	Electronics	4 SH
with PHYS 2372	Lab for PHYS 2371	0 SH

Advanced Physics

Complete the following two courses:

PHYS 3600	Advanced Physics Laboratory 1	4 SH
PHYS 3602	Electricity and Magnetism	4 SH

Physics Elective

Complete two upper-division courses from the Department of Physics. One of these courses or one computer science elective must satisfy the NU Core capstone requirement:

PHYS 2990 to PHYS 9999

MATHEMATICS INTEGRATIVE COURSES**Calculus**

Complete the following three courses with a grade of C– or higher in MATH 1341 and MATH 1342:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH

Additional Math Requirements

Complete the following two courses:

MATH 2351	Ordinary Differential Equations	4 SH
MATH 4525	Applied Analysis	4 SH

COMPUTERS AND SOCIETY

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete six general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement and one must be used to satisfy the NU Core social science level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

135 total semester hours required

Minimum 2.000 GPA required

BS in Information Science and Business Administration**COMPUTER AND INFORMATION SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following two courses:

CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH

Computer Science Senior Seminar

Complete the following course:

CS 4000	Senior Seminar	1 SH
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Information Science Required Courses

Complete the following three courses:

IS 2000	Principles of Information Science	4 SH
IS 3500	Information System Design and Development	4 SH
IS 4800	Empirical Research Methods	4 SH

Integrative Courses

Complete the following two courses:

MISM 3305	Information Resource Management	4 SH
MISM 3404	Business Data Communications	4 SH

Upper-Division IS Elective

Complete one upper-division IS elective. With advisor approval, a directed study, project study, or appropriate graduate-level course may also be taken as an information science elective:

CS 3600 to CS 4993

IS 2990 to IS 4993

BUSINESS COURSES**Required Business Courses**

Complete the following seven courses:

ACCT 1201	Financial Accounting and Reporting	4 SH
ACCT 2301	Managerial Accounting	4 SH
FINA 2201	Financial Management	4 SH
MGSC 1201	Business Statistics	4 SH
MKTG 2201	Introduction to Marketing	4 SH
ORGB 3201	Organizational Behavior	4 SH
STRT 4501	Strategy in Action	4 SH

BUSINESS CONCENTRATION

Complete a four-course business concentration from the following list:

Concentration in Accounting**ACCOUNTING REQUIRED COURSES**

Complete the following two courses:

ACCT 3401	Financial Reporting and Analysis 1	4 SH
ACCT 4501	Financial Reporting and Analysis 2	4 SH

ACCOUNTING ELECTIVE COURSES

Complete two courses from the following list:

ACCT 3403	Accounting Information Systems	4 SH
ACCT 3416	Strategic Cost Analysis for Decision Making	4 SH
ACCT 4412	Auditing and Other Assurance Services	4 SH
ACCT 4414	Income Tax Determination and Planning	4 SH

Concentration in Entrepreneurship and Innovation**ENTREPRENEURSHIP AND INNOVATION REQUIRED COURSES**

Complete the following three courses:

ENTR 2201	The Entrepreneurial Universe	4 SH
ENTR 3301	Opportunity Assessment and Entrepreneurship Marketing	4 SH
ENTR 3401	Small Business Management, Operations, and Growth	4 SH

ENTREPRENEURSHIP AND INNOVATION ELECTIVE COURSE

Complete one additional ENTR course.

Concentration in Finance**FINANCE REQUIRED COURSES**

Complete the following two courses:

FINA 3301	Corporate Finance	4 SH
FINA 3303	Investments	4 SH

FINANCE ELECTIVE COURSES

Complete two additional FINA courses.

Concentration in Management**MANAGEMENT REQUIRED COURSE**

Complete the following course:

MGMT 3303	Building Your Management Skills	4 SH
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MANAGEMENT ELECTIVE COURSES

Complete three additional MGMT courses.

Concentration in Marketing**MARKETING REQUIRED COURSES**

Complete the following two courses:

MKTG 3301	Marketing Management	4 SH
MKTG 3401	Marketing Research	4 SH

MARKETING ELECTIVE COURSES

Complete two additional MKTG courses.

Concentration in Supply Chain Management**SUPPLY CHAIN MANAGEMENT REQUIRED COURSES**

Complete the following three courses:

SCHM 3301	Global Supply Chain Management	4 SH
SCHM 3310	The Transportation Industries	4 SH
SCHM 4401	Advanced Problems in Supply Chain Management	4 SH

SUPPLY CHAIN MANAGEMENT ELECTIVE COURSE

Complete one additional SCHM course.

MATHEMATICS AND GENERAL REQUIREMENTS**Mathematics**

Complete one of the following courses:

MATH 1231	Calculus for Business and Economics	4 SH
MATH 1340	Intensive Calculus for Engineers	6 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH

Economics

Complete the following two courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete three general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives. *Note:* Students pursuing the information science/business administration combined major may satisfy the latter requirement by completing the following course:

INTB 1203	International Business and Global Social Responsibility	4 SH
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MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

133 total semester hours required

Minimum 2.000 GPA required

BS in Information Science and Cognitive Psychology**COMPUTER AND INFORMATION SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated. A grade of C– or higher is required in each course:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following three courses. *Note:* CS 4100 is an integrative course:

CS 3500	Object-Oriented Design	4 SH
CS 3800	Theory of Computation	4 SH
CS 4100	Artificial Intelligence	4 SH

Information Science

Complete the following five courses, including senior project.

Note: IS 4300 and IS 4900 are integrative courses:

IS 2000	Principles of Information Science	4 SH
IS 3500	Information System Design and Development	4 SH
IS 4300	Human Computer Interaction	4 SH
IS 4800	Empirical Research Methods	4 SH
IS 4900	Information Science Senior Project	5 SH

PSYCHOLOGY COURSES**Required Courses**

Complete the following four courses:

PSYC 1101	Foundations of Psychology	4 SH
PSYC 2320	Statistics in Psychological Research	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

Advanced Psychology

Complete one course from the following list:

PSYC 3452	Sensation and Perception	4 SH
PSYC 3458	Psychobiology	4 SH

Laboratory in Psychology

Complete one course from the following list:

PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4622	Laboratory in Sensation and Perception	4 SH

Seminar in Psychology

Complete one course from the following list:

PSYC 4658	Seminar in Psycholinguistics	4 SH
PSYC 4660	Seminar in Cognition	4 SH
PSYC 4668	Seminar in Sensation and Perception	4 SH

Psychology Electives

Complete two courses from the following list: *Note:* Courses satisfying the categories above cannot be reused:

PSYC 3402	Social Psychology	4 SH
PSYC 3450	Learning and Motivation	4 SH
PSYC 3452	Sensation and Perception	4 SH
PSYC 3458	Psychobiology	4 SH
PSYC 3526	Categorization and Reasoning	4 SH
PSYC 4520	Language and the Brain	4 SH
PSYC 4522	Psychology of Reading	4 SH
PSYC 4524	Cognitive Development	4 SH
PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4622	Laboratory in Sensation and Perception	4 SH
PSYC 4652	Seminar in Ethics in Psychology	4 SH
PSYC 4658	Seminar in Psycholinguistics	4 SH
PSYC 4660	Seminar in Cognition	4 SH
PSYC 4668	Seminar in Sensation and Perception	4 SH
PSYC 4970	Junior/Senior Honors Project 1	4 SH
with PSYC 4971	Junior/Senior Honors Project 2	4 SH

ADDITIONAL REQUIREMENTS**Calculus**

Complete the following course:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
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Computers and Society

Complete the following course:

SOCL 4528	Computers and Society	4 SH
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COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete seven general electives. One of these electives must be used to satisfy the NU Core arts/humanities level 1 requirement. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must also be one of the general electives.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all CS and IS courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

133 total semester hours required

Minimum 2.000 GPA required

BS in Information Science and Environmental Science**COMPUTER AND INFORMATION SCIENCE COURSES****Computer Science Overview**

Freshmen or freshmen transfers should complete the following two courses:

CS 1200	Computer/Information Science Overview 1	1 SH
CS 1210	Computer/Information Science Overview 2	1 SH

Upper-level transfer students should complete the following course:

CS 1220	Computer/Information Science Co-op Preparation	1 SH
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Computer Science Fundamental Courses

Complete the following four courses with corresponding labs, as indicated:

CS 1800	Discrete Structures	4 SH
with CS 1801	Recitation for CS 1800	0 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
CS 2800	Logic and Computation	4 SH
with CS 2801	Lab for CS 2800	1 SH

Computer Science Required Courses

Complete the following two courses:

CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH

Information Science Required Courses

Complete the following three courses:

IS 2000	Principles of Information Science	4 SH
IS 3500	Information System Design and Development	4 SH
IS 4800	Empirical Research Methods	4 SH

Upper-Division IS Elective

Complete one upper-division IS elective. With advisor approval, a directed study, project study, or appropriate graduate-level course may also be taken as an information science elective:

IS 3000 to IS 4999

ENVIRONMENTAL SCIENCE COURSES**Required Environmental Science Courses**

Complete the following four courses with corresponding labs, as indicated:

ENVR 1101	Environmental Science	4 SH
ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH
ENVR 4900	Earth and Environmental Science Capstone	1 SH
ENVR 5210	Environmental Planning	4 SH
or ENVR 5250	Geology and Land-Use Planning	4 SH

Integrative Course

Complete the following course:

ENVR 3300	Geographic Information Systems	4 SH
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Environmental Science Electives

Complete three courses from the following list with corresponding labs, as indicated:

ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH
ENVR 3302	Introduction to Remote Sensing	4 SH
with ENVR 3303	Lab for ENVR 3302	1 SH
ENVR 3400	Field Geology	4 SH
ENVR 3410	Environmental Geochemistry	4 SH
ENVR 3418	Geophysics	4 SH
ENVR 4106	Coastal Processes	4 SH
with ENVR 4107	Lab for ENVR 4106	1 SH
ENVR 4500	Applied Hydrogeology	4 SH
with ENVR 4501	Lab for ENVR 4500	1 SH
ENVR 4504	Environmental Pollution	4 SH
ENVR 4505	Wetlands	4 SH
ENVR 5201	Geologic Field Seminar	4 SH
ENVR 5210	Environmental Planning	4 SH
ENVR 5242	Ancient Marine Life	4 SH
with ENVR 5243	Lab for ENVR 5242	1 SH
ENVR 5250	Geology and Land-Use Planning	4 SH

Sustainability Focus Courses

Complete the following course:

PHIL 1180	Environmental Ethics	4 SH
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and two additional courses from the following list:

ECON 3423	Environmental Economics	4 SH
ENVR 4515	Sustainable Development	4 SH
HIST 3412	Global Environmental History	4 SH

INTL 4937	Dialogue of Civilizations: Science and Technology	4 SH
POLS 2390	Science, Technology, and Public Policy	4 SH
POLS 2395	Environmental Politics	4 SH
SOCL 1246	Environment and Society	4 SH

ADDITIONAL REQUIREMENTS**Mathematics and Statistics**

Complete the following two courses:

ECON 2350	Statistics	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
or MATH 1341	Calculus 1 for Science and Engineering	4 SH

Chemistry

Complete one of the following courses with corresponding lab:

CHEM 1151	General Chemistry for Engineers	4 SH
with CHEM 1152	Lab for CHEM 1151	1 SH
CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

General Requirements

Complete the following two courses:

ECON 1116	Principles of Microeconomics	4 SH
SOCL 4528	Computers and Society	4 SH

COMPUTER SCIENCE ENGLISH REQUIREMENT**College Writing**

Complete the following course:

ENGL 1111	College Writing	4 SH
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Advanced Writing in the Disciplines

Complete one of the following courses. Students are strongly encouraged to take ENGL 3302 but may substitute ENGL 3301:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

REQUIRED GENERAL ELECTIVES

Complete five general electives. If the NU Core comparative study of cultures requirement is to be satisfied by taking a course, then it must be one of the general electives.

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

135 total semester hours required

Minimum 2.000 GPA required

College of Engineering

www.coe.neu.edu

DAVID E. LUZZI, PhD, *Professor and Dean*

Yaman Yener, PhD, *Senior Associate Dean for Faculty and Academic Affairs*

David R. Kaeli, PhD, *Associate Dean for Undergraduate Programs*

Sara Wadia-Fascetti, PhD, *Associate Dean for Research and Graduate Studies*

Khaled Bugrara, PhD, *Director of Master of Science in Information Systems Program*

Richard Harris, MS, *Director of Multicultural Engineering*

Lisa Koch, PhD, *Assistant Dean for Educational and Computer Technology*

Candace A. Martel, MEd, *Director of Engineering Student Services*

David Navick, PhD, *Associate Dean for Administration and Finance*

Deborah A. Northall, *Director of Administration and Finance*

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in Telecommunication Systems Management Program

Rachelle Reisberg, MS, *Director of Women in Engineering*

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The mission of the College of Engineering is to provide a teaching, learning, and research environment that results in the highest-quality education for our students. Consistent with our goal of providing the highest-quality, practice-oriented program, the College of Engineering seeks to prepare students to contribute to the accumulation and application of technical knowledge. The college further seeks to help students master the fundamental mathematical and scientific principles underlying a particular branch of engineering; develop and demonstrate competence in analysis and design appropriate to an engineering specialization; reason clearly and communicate effectively; and recognize the need to continue professional development.

Through laboratory exercises, senior design projects, professional association activities, and cooperative work assignments, students put theory into practice and clarify their professional goals.

The college offers a Bachelor of Science degree with specializations in chemical, civil, computer, electrical, industrial, and mechanical engineering. Five-year and four-year options are available to complete the Bachelor of Science degree program.

The five-year option includes eighteen months of cooperative education work experience, and the four-year option includes twelve months of cooperative education experience. Customized four-year programs without co-op experience are also available.

The college encourages students to study the arts, sciences, business, and other areas outside of engineering, for they provide an awareness of the social, economic, political, aesthetic, and philosophical influences that shape the world in which graduates will practice their professions. Students may complete a minor in areas such as business, computer science, biomedical engineering, math, or music. In many cases, the minor can be completed without course overloads.

In addition to a full array of University services, special advising and other support services (including tutoring) are provided. Students may qualify to participate in honors sections of many courses. Active student chapters of many national professional engineering organizations and honor societies are supported by the college as an enriching addition to academic studies and co-op experience.

The Bachelor of Science degree programs with specification in chemical, civil, computer, electrical, industrial, and mechanical engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone 410.347.7700.

Bachelor of Science/Master of Science PlusOne Program

The Departments of Chemical Engineering, Civil and Environmental Engineering, Electrical and Computer Engineering, and Mechanical and Industrial Engineering offer programs leading to both the bachelor's and master's degrees in five years. All students begin with the common first-year engineering program. Upon successful completion, students may petition to enter the BS/MS Program. Degree candidates must maintain a 3.400 cumulative GPA, carry extra courses, and reduce the number of cooperative education semesters to complete the course requirements.

Academic Standards

ACADEMIC PROGRESSION STANDARDS

In addition to meeting University progression standards, it is expected that full-time engineering students enroll in four courses with appropriate labs and recitations and successfully complete at least 12 semester hours each academic semester with an acceptable GPA as noted below. Any exceptions to the course load requirement must be approved by the student's academic advisor, in writing, prior to the start of each semester.

GPA REQUIREMENTS FOR GRADUATION

A minimum cumulative GPA requirement of 2.000 in major (department) courses and a minimum cumulative GPA requirement of 2.000 overall is required for graduation.

CRITERIA FOR ACADEMIC PROBATION

Full-time students in the College of Engineering may be placed on academic probation effective for the following academic semester for any of the reasons noted below:

First-year Students:

- Not maintaining an overall cumulative GPA of at least 1.800 at the end of each semester of the first year, or
- Earning fewer than 12 semester hours at the end of each semester of the first-year curriculum.

Upperclass and Transfer Students:

- Earning fewer than 12 semester hours in a full-term academic semester, or
- Earning less than a 1.800 GPA in a full-term academic semester, or
- Not maintaining an overall cumulative GPA of at least 2.000 at the end of each full academic semester, or
- Not maintaining an in-major GPA of at least 2.000 at the end of the fourth full-term academic semester of the curriculum and at the end of each full-term academic semester thereafter, or
- Accumulating three outstanding course deficiencies (grades of F, I, W, NE, U, or missing grades), or
- Not following a program of study approved by the student's academic advisor.

A notation of the academic probation action will appear on the internal record but not on the permanent transcript.

CRITERIA FOR ACADEMIC DISMISSAL

Full-time students on probation in the College of Engineering are eligible for academic dismissal from the University for any of the reasons noted below:

- Earning less than a 1.800 semester GPA in a full-term academic semester, or
- Earning fewer than 12 semester hours in a full-term academic semester, or
- Not following a program of study approved by the student's academic advisor, or
- Remaining on academic probation after two full academic semesters.

In addition, students earning less than a 1.000 GPA in any full-term academic semester following their first semester or cumulatively may be dismissed, regardless of prior academic status, at the discretion of the college.

Notation of this academic dismissal will appear on the permanent transcript.

GRADUATION REQUIREMENTS

The college reserves the right to amend programs, courses, and degree requirements to fulfill its educational responsibility to respond to relevant changes in the field.

Students must complete all of the requirements in the degree program in which they are candidates. Degree requirements are based upon the year of graduation, determined by the date of entry or reentry into the College of Engineering. Degree requirements and the year of graduation for a degree candidate who fails to make normal academic progress will be subject to review and possible change.

INTERDISCIPLINARY MINOR**Materials Science and Engineering**

The study of materials science and engineering has spurred breakthroughs in applications ranging from artificial limbs and organs, to space travel vehicles, to personal MP3 players. For example, the discovery of buckyballs and carbon nanotubes has led to the development of an unprecedented reduction in size of prototype electronic components and points the way to tomorrow's electronic technologies. Porous nanostructures of biocompatible materials are studied for targeted drug delivery within the body. The integration of polymers and semiconductors is used to create efficient, usable solar cells to reduce our dependence on fossil fuels. There are many more examples of both existing technologies and current research areas involving materials science and engineering that impact everyday life both today and in the future.

The minor in materials science and engineering is open to all students of the College of Engineering whose science and technical interests involve the design, processing, and optimization of engineering materials. Since the materials interests may vary across the engineering disciplines, the minor is composed of an interdisciplinary selection of courses that offer a high degree of flexibility to the student. The fundamental goals of the program are to offer the students a broad interdisciplinary program that includes a basic background in the relevant aspects of materials science and the engineering applications of materials. The objectives are to serve the needs of the chemical, civil, electrical, and mechanical engineering departments in providing a vehicle to expose students to materials science and engineering. Particular focus areas include: electronic materials and processing for device applications; strength, wear, and corrosion-resistant coatings; molecular-level design of thin films and nanostructures; polymers and biomedical applications; and steels, concretes, and space-based structures.

Minor in Materials Science and Engineering

REQUIRED COURSES

Complete the following course:

ME 2340 Introduction to Materials Science 4 SH

and complete one additional course from the following list with corresponding lab, as indicated:

CIVE 2260 Civil Engineering Materials 3 SH

with CIVE 2261 Materials and Measurements Lab 2 SH

EECE 3392 Electronic Materials 4 SH

ELECTIVES AND CAPSTONE DESIGN

Complete two courses from the following disciplines, and complete 4 semester hours of capstone design (or complete 4 semester hours of elective course work in place of the capstone design project):

Electrical and Computer Engineering

EECE 4606 Micro- and Nanofabrication 4 SH

ENGR 4608 Nanotechnology in Engineering 4 SH

Chemical Engineering

CHME 4634 Nanomaterials: Thin Films and Structures 4 SH

ENGR 4608 Nanotechnology in Engineering 4 SH

Mechanical and Industrial Engineering

ME 4640 Mechanical Behavior and Processing of Materials 4 SH

ME 5645 Environmental Issues in Manufacturing and Product Use 4 SH

Chemistry and Chemical Biology

CHEM 3501 Inorganic Chemistry 4 SH

CHEM 5687 Principles of Solid State Chemistry 3 SH

Capstone Design

CHME 4703 Chemical Process Design 2 4 SH

EECE 4790 Electrical and Computer Engineering Capstone 1 4 SH

MEIE 4702 Capstone Design 2 5 SH

GPA REQUIREMENT

2.000 GPA required in the minor

CHEMICAL ENGINEERING

www.che.neu.edu

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The chemical engineering program offers students a broad education built on fundamentals in science, mathematics, and engineering, which are then applied to a variety of contemporary problems using modern tools, such as computational software and computer-aided design. Chemical engineers have traditionally been employed in chemical, petrochemical, agricultural chemical, pulp and paper, plastics, cosmetics, and textiles industries, and in consulting and design firms. Today, chemical engineers also play an integral role in emerging biological and advanced materials fields, including nanotechnology. For example, chemical engineers are creating new materials needed for space exploration, alternative energy sources, and faster, self-powered computer chips. In biotechnology and bioengineering, chemical engineers are working to understand human diseases, developing new therapies and drug delivery systems, and producing new medicines through cell culture techniques. Chemical engineers employ nanotechnology to revolutionize sensors, security systems, and medical diagnostics and treatments. In addition to creating important products, chemical engineers are also involved in protecting our environment by exploring ways to reduce acid rain and smog, to recycle and reduce wastes, to develop new sources of environmentally clean energy, and to design inherently safe, efficient, and “green” processes. The role of chemical engineers is to develop new products and to design processes while reducing costs, increasing production, and improving the quality and safety of new products.

The educational objectives of the chemical engineering program are that all students will develop and apply: (1) a fundamental knowledge and understanding of the underlying science, mathematics, and engineering subjects needed to function effectively and efficiently in the many fields of chemical engineering practice; (2) an ability to identify problems, to identify, acquire, and critically analyze needed information and data, to draw appropriate conclusions, and to make decisions based on those conclusions; (3) interpersonal and communicative skills to function effectively in a diverse workplace and work confidently and effectively within intra- and interdisciplinary teams; and (4) an ability to incorporate practice-based and information-based knowledge of contemporary societal issues and ethical and professional responsibilities into engineering solutions and business activities.

The faculty of the chemical engineering program is committed to providing a practice-oriented education through active learning and by drawing connections between classroom learning and co-op experiences. The educational curriculum provides fundamentals in mathematics, physical sciences, and engineering science as well as real-world design and laboratory experiences. Through the University's general education requirements, students gain awareness of the impact of engineering decisions in a broader societal and ethical context. Cooperative education offers students the opportunity to integrate practical workplace knowledge with classroom learning so the educational experiences are synergistic and deepen the learning process. The chemical engineering community encourages professional development through active participation and leadership in student organizations, professional societies, and departmental activities. As a result, the chemical engineering program prepares successful students for industrial careers, graduate programs, or professional medical, law, and business schools.

Through faculty expertise and scholarship, a rigorous set of academic courses, and real-world cooperative education experiences, the chemical engineering program seeks to enable students to: apply knowledge of mathematics, science, and engineering in the general field of chemical engineering; design and conduct engineering experiments, as well as analyze and interpret data; design a system, component, or chemical process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability; function on teams, including multidisciplinary teams; identify, formulate, and solve chemical engineering problems; understand professional and ethical responsibility, including protecting the public and the environment by performing work in a safe and environmentally conscious manner; communicate effectively; understand the impact of engineering solutions in a global and societal context; recognize the need for and the ability to engage in lifelong learning; understand professional behavior, culture, expectations, and contemporary issues; and use the techniques, skills, and modern engineering tools necessary to chemical engineering practice.

The chemical engineering curriculum shown below is periodically evaluated and revised to ensure that graduates of the program are given every opportunity for future success as professional chemical engineers and are prepared for graduate or professional school.

BSCHE—Bachelor of Science in Chemical Engineering

MATHEMATICS/SCIENCE REQUIREMENT

Complete 51 semester hours in mathematics and science as indicated below.

Required Mathematics/Science

Complete each of the following courses with corresponding labs, as indicated:

BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH
CHEM 1151	General Chemistry for Engineers	4 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
or CHEM 2315	Organic Chemistry 1 for Chemistry Majors	4 SH
with CHEM 2316	Lab for CHEM 2315	2 SH
CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH
or CHEM 2317	Organic Chemistry 2 for Chemistry Majors	4 SH
with CHEM 2318	Lab for CHEM 2317	2 SH
CHEM 3403	Physical Chemistry 2	4 SH
with CHEM 3404	Lab for CHEM 3403	1 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Further Credit

1 semester hour from the following course counts toward the mathematics/science requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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ENGINEERING REQUIREMENT

Complete 49 semester hours in engineering as indicated below.

Required Engineering

Complete each of the following courses with corresponding labs, as indicated:

CHME 2308	Conservation Principles in Chemical Engineering	4 SH
CHME 2310	Transport Processes 1	4 SH
with CHME 2311	Lab for CHME 2310	2 SH
CHME 2320	Chemical Engineering Thermodynamics 1	4 SH

CHME 3312	Transport Processes 2 and Separations	4 SH
with CHME 3313	Lab for CHME 3312	2 SH
CHME 3322	Chemical Engineering Thermodynamics 2	4 SH
CHME 4510	Chemical Engineering Kinetics	4 SH
CHME 4512	Chemical Engineering Process Control	4 SH
CHME 4701	Chemical Process Design 1	4 SH
CHME 4703	Chemical Process Design 2	4 SH

Advanced Chemical Engineering Elective

Complete one advanced chemical engineering elective from the following list:

CHME 3330	Chemical Engineering Process Analysis	4 SH
CHME 4624	Chemical Process Safety	4 SH
CHME 4634	Nanomaterials: Thin Films and Structures	4 SH
CHME 4699	Special Topics in Chemical Engineering	4 SH
CHME 4721	Projects 1	4 SH
CHME 4722	Projects 2	4 SH
CHME 4970	Junior/Senior Honors Project 1	4 SH
CHME 4971	Junior/Senior Honors Project 2	4 SH
CHME 4990	Elective	4 SH
CHME 4991	Research	4 SH
CHME 4992	Directed Study	4 SH
CHME 4993	Independent Study	4 SH
CHME 5160	Drug Delivery: Engineering Analysis	4 SH
CHME 5204	Heterogeneous Catalysis	4 SH
CHME 5630	Biochemical Engineering	4 SH
CHME 5699	Special Topics in Chemical Engineering	4 SH
CHME 5976	Directed Study	4 SH
CHME 5978	Independent Study	4 SH

Further Credit

3 semester hours from the following course count toward the engineering requirement:

GE 1110	Engineering Design	4 SH
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2 semester hours from the following course count toward the engineering requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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PROFESSIONAL DEVELOPMENT REQUIREMENT

Complete 5 semester hours in professional development as indicated below.

Professional Development

Complete the following three courses:

GE 1000	Introduction to the Study of Engineering	1 SH
CHME 2000	Introduction to Engineering Co-op Education	1 SH
CHME 3000	Professional Issues in Engineering	1 SH

Further Credit

1 semester hour from each of the following courses counts toward the professional development requirement:

GE 1110	Engineering Design	4 SH
GE 1111	Engineering Problem Solving and Computation	4 SH

ADDITIONAL NU CORE COURSES

Complete 16 semester hours in NU Core course work as indicated below.

Writing

Complete the following two courses with a grade of C or higher in each course:

ENGL 1111	College Writing	4 SH
ENGL 3301	Advanced Writing in the Disciplines	4 SH
or ENGL 3302	Advanced Writing in the Technical Professions	4 SH

Arts/Humanities Level 1

Complete 4 semester hours from the NU Core arts/humanities level 1 domain, as described on page 30.

Social Science Level 1

Complete 4 semester hours from the NU Core social science level 1 domain, as described on page 30.

GENERAL ELECTIVES

Complete four 4-SH-equivalent academic, nonremedial, nonrepetitive courses.

RESIDENCY REQUIREMENT

32 of the final 40 semester hours must be taken at Northeastern University.

MAJOR GPA REQUIREMENT

Minimum 2.000 GPA required in all chemical engineering courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

137 total semester hours required

Minimum 2.000 GPA required

BSCHE in Chemical Engineering and Physics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."

BS/MS in Chemical Engineering

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

Minor in Biochemical Engineering

REQUIREMENTS FOR NON-CHEMICAL ENGINEERING MAJORS

Students with majors other than chemical engineering should complete the requirements below.

Required Breadth Courses

Complete the following five courses, with corresponding labs, as indicated:

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH
MATH 1241	Calculus 1	4 SH
or MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1242	Calculus 2	4 SH
or MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
or MATH 2351	Ordinary Differential Equations	4 SH

Required Chemical Engineering Courses

Complete the following four courses:

CHME 2308	Conservation Principles in Chemical Engineering	4 SH
CHME 2310	Transport Processes 1	4 SH
CHME 3312	Transport Processes 2 and Separations	4 SH
CHME 5630	Biochemical Engineering	4 SH

Capstone

Complete the following course:

CHME 4703	Chemical Process Design 2	4 SH
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REQUIREMENTS FOR CHEMICAL ENGINEERING MAJORS

Chemical engineering majors should complete the requirements below.

Required Breadth Courses

Complete the following eight courses, with corresponding labs, as indicated:

BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH
BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH
BIOL 2323	Biochemistry	4 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH

CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH
MATH 1241	Calculus 1	4 SH
or MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1242	Calculus 2	4 SH
or MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
or MATH 2351	Ordinary Differential Equations	4 SH

Required Chemical Engineering Courses

Complete the following four courses:

CHME 2308	Conservation Principles in Chemical Engineering	4 SH
CHME 2310	Transport Processes 1	4 SH
CHME 3312	Transport Processes 2 and Separations	4 SH
CHME 5630	Biochemical Engineering	4 SH

Capstone

Complete the following course:

CHME 4703	Chemical Process Design 2	4 SH
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GPA REQUIREMENT

2.000 GPA required in the minor

CIVIL AND ENVIRONMENTAL ENGINEERING

www.civ.neu.edu

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Civil engineers judiciously apply their knowledge of mathematics and physical sciences to improve and protect the environment and to provide facilities and structures for community living, industry, and transportation. Civil engineering encompasses several disciplines, including structural engineering, environmental engineering, transportation planning and engineering, and geotechnical engineering. Civil engineers supervise the construction of bridges, tunnels, buildings, dams, and aqueducts. They also plan, design, construct, and manage highways, railroads, canals, and airports; regulate rivers and control floods; and design and build systems for water distribution, wastewater treatment, waste disposal, and environmental remediation.

The civil engineering program has four educational objectives. The first is that our students gain an understanding of the natural and cultural world. Mathematics, physics, and chemistry are the foundation of civil engineering. Such a

foundation is designed to enable students to properly understand and apply engineering principles and makes the Northeastern education one that can keep pace with the advances in this dynamic field. Likewise, it is important for students to understand the historical and cultural context in which engineering takes place and to understand the social and environmental impacts of engineering projects.

The second objective is that our students become technically prepared for engineering practice. Students are exposed to a common base of knowledge in the engineering sciences, including mechanics and environmental science. In more advanced courses, students have an opportunity to learn to analyze and design building frames and bridges, water and wastewater treatment systems, highways and traffic systems, hydraulic systems, earth dams, building foundations, and construction management systems. Our program is designed to give students proficiency in at least four areas of civil engineering.

The third program objective is that our students develop skills in critical thinking, communication, information literacy, and aesthetics. These subjects are integrated into courses throughout the program. Particular emphasis is placed on the importance of effective writing and public speaking.

The fourth program objective is that our students develop a personal and professional ethic—that is, an understanding of the profession, its ethical codes, history, contemporary issues, and the need for lifelong learning. Course work, cooperative education, and participation in the activities of the award-winning student chapter of the American Society of Civil Engineers help students meet this goal.

The civil engineering program is designed to provide students with a broad education appropriate for a variety of career choices and lifelong learning. Experience tells us that civil engineering graduates will enter almost every field imaginable. The knowledge and skills acquired—understanding science, critical thinking, effective communication, and understanding the social context, among them—form an excellent foundation for a host of careers, as well as for a fulfilling life outside the world of work. The civil engineering program has been designed with five general electives that permit students to explore or acquire further depth in other fields of interest. Students can use these electives to earn a minor in business, architectural history, music, computer science, or any number of other fields.

The co-op program parallels the academic program in level of responsibility and sophistication. A beginning job might involve layout at a construction site or laboratory testing; in senior-level co-op assignments, students are often working alongside engineers on design teams.

BSCE—Bachelor of Science in Civil Engineering

MATHEMATICS/SCIENCE REQUIREMENT

Complete 34 semester hours in mathematics and science as indicated below.

Required Mathematics/Science

Complete each of the following courses with corresponding labs, as indicated:

CHEM 1151	General Chemistry for Engineers	4 SH
or CHEM 1211	General Chemistry 1	4 SH
or CHEM 1214	General Chemistry 2	4 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
or PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH
or PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

Further Credit

3 semester hours from the following course count toward the mathematics/science requirement:

CIVE 3464	Probability and Engineering Economy for Civil Engineering	4 SH
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1 semester hour from the following course counts toward the mathematics/science requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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ENGINEERING REQUIREMENT

Complete 57 semester hours in engineering as indicated below.

Required Engineering

Complete each of the following courses with corresponding labs, as indicated:

CIVE 2221	Statics and Strength of Materials	4 SH
CIVE 2260	Civil Engineering Materials	3 SH
with CIVE 2261	Materials and Measurements Lab	2 SH
CIVE 2320	Structural Analysis 1	4 SH
CIVE 2324	Reinforced Concrete Design	4 SH
CIVE 2331	Fluid Mechanics	4 SH
CIVE 2334	Environmental Engineering 1	4 SH
CIVE 2340	Soil Mechanics	4 SH
with CIVE 2341	Lab for CIVE 2340	1 SH

Senior Design Project

Complete one of the following courses:

CIVE 4765	Senior Design Project— Environmental	5 SH
CIVE 4766	Senior Design Project—Geotechnical	5 SH
CIVE 4767	Senior Design Project—Structural	5 SH
CIVE 4768	Senior Design Project— Transportation	5 SH

Civil Engineering Project Elective

Complete one of the following courses:

CIVE 4536	Hydrologic Engineering	4 SH
CIVE 4542	Foundation Engineering	4 SH
CIVE 4554	Highway Engineering	4 SH

Civil Engineering Technical Electives

Complete 12 semester hours from the following list:

CIVE 3425	Steel Design	4 SH
CIVE 3522	Structural Analysis 2	4 SH
CIVE 4534	Environmental Engineering 2	3 SH
CIVE 4536	Hydrologic Engineering	4 SH
CIVE 4542	Foundation Engineering	4 SH
CIVE 4554	Highway Engineering	4 SH
CIVE 4566	Sustainable Design of Buildings and Urban Transportation Systems: U.S./European Perspectives	4 SH
CIVE 4575	Construction Management	3 SH
CIVE 5321	Geoenvironmental Engineering	4 SH

Further Credit

3 semester hours from the following course count toward the engineering requirement:

GE 1110	Engineering Design	4 SH
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2 semester hours from the following course count toward the engineering requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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1 semester hour from the following course counts toward the engineering requirement:

CIVE 3464	Probability and Engineering Economy for Civil Engineering	4 SH
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PROFESSIONAL DEVELOPMENT REQUIREMENT

Complete 5 semester hours in professional development as indicated below.

Professional Development

Complete the following three courses:

GE 1000	Introduction to the Study of Engineering	1 SH
CIVE 2000	Introduction to Engineering Co-op Education	1 SH
CIVE 3000	Professional Issues in Engineering	1 SH

Further Credit

1 semester hour from each of the following courses counts toward the professional development requirement:

GE 1110	Engineering Design	4 SH
GE 1111	Engineering Problem Solving and Computation	4 SH

ADDITIONAL NU CORE COURSES/SCIENCE ELECTIVE

Complete 20 semester hours in NU Core course work and science elective as indicated below.

Writing

Complete the following two courses with a grade of C or higher in each course:

ENGL 1111	College Writing	4 SH
ENGL 3302	Advanced Writing in the Technical Professions	4 SH

Arts/Humanities Level 1

Complete 4 semester hours from the NU Core arts/humanities level 1 domain, as described on page 30.

Social Science Level 1—Macroeconomics or Microeconomics

Complete one of the following courses, thus satisfying the NU Core social science level 1 domain requirement:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

Science Elective

Complete one of the following courses:

BIOL 1111	General Biology 1	4 SH
BIOL 1121	Basic Microbiology	4 SH
BIOL 1151	Introduction to Marine Biology	4 SH
CHEM 2311	Organic Chemistry 1	4 SH
CHEM 2321	Analytical Chemistry	4 SH
CHEM 3401	Physical Chemistry 1	4 SH
ENVR 1200	Dynamic Earth	4 SH
ENVR 2310	Earth Materials	4 SH
ENVR 3302	Introduction to Remote Sensing	4 SH
ENVR 3400	Field Geology	4 SH
ENVR 4505	Wetlands	4 SH
ENVR 5260	Geographical Information Systems	4 SH
ENVR 5280	Groundwater Modeling	4 SH
ENVR 5282	Groundwater Geochemistry	4 SH
ENVR 5290	Engineering Geology	4 SH
PHYS 2303	Modern Physics	4 SH
PHYS 3601	Classical Dynamics	4 SH
PHYS 3602	Electricity and Magnetism	4 SH

GENERAL ELECTIVES

Complete five 4-SH-equivalent academic, nonremedial, nonrepetitive courses.

RESIDENCY REQUIREMENT

32 of the final 40 semester hours must be taken at Northeastern University.

MAJOR GPA REQUIREMENT

2.000 minimum GPA required in CIVE courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

135 total semester hours required
Minimum 2.000 GPA required

BS/MS in Civil Engineering

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

ELECTRICAL AND COMPUTER ENGINEERING

www.ece.neu.edu

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Professor and Chair

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The Department of Electrical and Computer Engineering offers two distinct Bachelor of Science programs: Bachelor of Science in electrical engineering (BSEE) and Bachelor of Science in computer engineering (BSCompE). A combined major is available in electrical and computer engineering for students who complete the requirements of both majors. In addition, a minor in electrical engineering, a minor in computer engineering, and a minor in biomedical engineering are available to qualified students throughout the University, including majors within the department.

Successful engineers need to organize and adapt information to solve problems. They also must work effectively in teams and communicate well. Therefore, the goal of the electrical engineering and computer engineering programs is to help students develop these skills and provide the appropriate technical background for a successful career. The objectives of the Bachelor of Science programs are that every student will develop and be able to apply in an engineering context: (1) mathematical, scientific, computational, and experiential knowledge and skills; (2) the technical skills necessary for engineering practice; (3) the communications and interpersonal skills necessary as engineering professionals; (4) a personal and professional ethic appropriate to

the practice of engineering; and (5) an awareness of the social, cultural, and historical context of engineering solutions.

The curricula are continuously assessed to ensure that graduates can achieve these goals and go on to succeed as professional electrical or computer engineers. The Bachelor of Science programs allow students sufficient flexibility within the standard eight academic semesters to earn a minor in nearly any department in the University. Typical minors might include electrical engineering, computer engineering, physics, math, computer science, or business, but students might also organize their course of study to earn a minor in economics, English, or music.

The academic program is supported by extensive laboratory facilities for study and experimentation in computing, circuit analysis, electronics, digital systems, microwaves, control systems, semiconductor processing, very large-scale integration (VLSI) design, and digital signal processing. Students have access to state-of-the-art computing facilities, including numerous Linux-based workstations and Windows-based personal computers, all connected to the Internet. Many courses are taught in one of the four computer-based teaching classrooms, where students work online and practice the theory presented in lecture while still in the classroom.

More than 90 percent of department undergraduates take advantage of the cooperative education program. During the cooperative work phase of the program, the students' levels of responsibility grow as they gain theoretical and technical knowledge through academic work. A sophomore might begin cooperative work experience as an engineering assistant and progress by the senior year to a position with responsibilities similar to those of entry-level engineers.

A senior-year design course caps the education by drawing on everything learned previously. Teams of students propose, design, and build a functioning electrical or computer engineering system—just as they might in actual practice.

Electrical Engineering

The components of the Information Age—global communication systems, computers and computer chips, and the software that runs them, as well as pacemakers, magnetic resonance imaging, and interplanetary space missions—are possible because of the efforts of electrical engineers. Today, electrical engineers are developing concepts and working to translate these ideas into the next generation of products, from computers and safe, energy-efficient vehicles, to radar that can detect unexploded land mines from the air, to microrobots that diagnose disease from inside the body.

Many electrical engineers work in the traditional areas of communications, computation, and control, and components required to realize such systems. They are involved in design and product development, testing and quality control, sales and marketing, and manufacturing. Others use their problem-solving skills in diverse areas such as bioengineering, health care, electronic music, meteorology, and experimental psychology. Some graduates draw on their electrical engineering

backgrounds to launch successful careers as physicians, financial analysts, attorneys, and entrepreneurs.

As specified below, the BSEE degree requires a sequence of core courses and advanced study in one or more technical elective areas: electronic circuits and devices; signals and systems; fields, waves, and optics; power engineering; or computer engineering. General electives and electives in the arts and humanities and social sciences are also required.

BSEE—Bachelor of Science in Electrical Engineering

ENGINEERING CATEGORICAL REQUIREMENT

Students must complete a minimum of semester hours in the categories of math/science and engineering topics. Completing all courses in the prescribed curriculum satisfies these requirements without any additional consideration. However, any student with transfer credit or course substitutions must meet with an academic advisor to plan appropriate course work to assure that these requirements are fully satisfied.

MATHEMATICS/SCIENCE REQUIREMENT

Complete 35 semester hours in mathematics and science as indicated below.

Required Mathematics/Science

Complete each of the following courses with corresponding labs, as indicated:

CHEM 1151	General Chemistry for Engineers	4 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Further Credit

2 semester hours from the following course count toward the mathematics/science requirement:

EECE 3468	Noise and Stochastic Processes	4 SH
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2 semester hours from the following lecture/lab combination count toward the mathematics/science requirement:

CS 1500	Algorithms and Data Structures for Engineering	4 SH
with CS 1501	Lab for CS 1500	1 SH

1 semester hour from the following course counts toward the mathematics/science requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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ENGINEERING REQUIREMENT

Complete 59 semester hours in engineering as indicated below.

Required Engineering

Complete each of the following courses with corresponding labs, as indicated:

EECE 2322	Digital Logic Design	4 SH
with EECE 2323	Lab for EECE 2322	1 SH
EECE 2410	Circuits	4 SH
with EECE 2411	Introduction to Electrical and Computer Engineering Laboratory	1 SH
EECE 2412	Electronics 1	4 SH
with EECE 2413	Lab for EECE 2412	1 SH
EECE 3410	Electronics 2	4 SH
EECE 3440	Electromagnetic Fields and Waves	4 SH
with EECE 3441	Lab for EECE 3440	1 SH
EECE 3464	Linear Systems	4 SH
EECE 4572	Communications Systems	4 SH
EECE 4790	Electrical and Computer Engineering Capstone 1	4 SH
EECE 4792	Electrical and Computer Engineering Capstone 2	4 SH

Electrical Engineering Technical Electives

Complete 12 semester hours from the following list:

EECE 3324 to EECE 3392		
EECE 4512 to EECE 4538		
EECE 4574 to EECE 4698		
EECE 5000 to EECE 5999		
ENGR 5670	Sustainable Energy: Materials, Conversion, Storage, and Usage	4 SH

Further Credit

3 semester hours from the following course count toward the engineering requirement:

GE 1110	Engineering Design	4 SH
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2 semester hours from each of the following courses count toward the engineering requirement:

EECE 3468	Noise and Stochastic Processes	4 SH
GE 1111	Engineering Problem Solving and Computation	4 SH

PROFESSIONAL DEVELOPMENT REQUIREMENT

Complete 8 semester hours in professional development as indicated below.

Professional Development

Complete the following three courses:

GE 1000	Introduction to the Study of Engineering	1 SH
EECE 2000	Introduction to Engineering Co-op Education	1 SH
EECE 3000	Professional Issues in Engineering	1 SH

Further Credit

3 semester hours from the following lecture/lab combination count toward the professional development requirement:

CS 1500	Algorithms and Data Structures for Engineering	4 SH
with CS 1501	Lab for CS 1500	1 SH

1 semester hour from each of the following courses counts toward the professional development requirement:

GE 1110	Engineering Design	4 SH
GE 1111	Engineering Problem Solving and Computation	4 SH

ADDITIONAL NU CORE COURSES

Complete 16 semester hours in NU Core course work as indicated below.

Writing

Complete the following two courses with a grade of C or higher in each course:

ENGL 1111	College Writing	4 SH
ENGL 3301	Advanced Writing in the Disciplines	4 SH
or ENGL 3302	Advanced Writing in the Technical Professions	4 SH

Arts/Humanities Level 1

Complete 4 semester hours from the NU Core arts/humanities level 1 domain, as described on page 30.

Social Science Level 1

Complete 4 semester hours from the NU Core social science level 1 domain, as described on page 30.

GENERAL ELECTIVES

Complete five 4-SH-equivalent academic, nonremedial, nonrepetitive courses.

RESIDENCY REQUIREMENT

32 of the final 40 semester hours must be taken at Northeastern University.

MAJOR GPA REQUIREMENT

2.000 minimum GPA required in EECE courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

138 total semester hours required

Minimum 2.000 GPA required

Electrical Engineering Minor

A minor in electrical engineering is open to all students in the University with the prerequisite calculus and physics background.

The minor is designed for students who would like a coherent background in the theory and laboratory practice of electrical engineering, particularly for majors in math, science, computer engineering, or other engineering departments. The completion of a minor in electrical engineering will be recognized by a notation on the student's transcript.

Minor in Electrical Engineering

Students must file a petition with the coordinator of undergraduate services in 404 Dana to declare the minor prior to taking any course work. A minimum of 20 semester hours of EECE courses is required with a minimum GPA of 2.000.

CORE COURSE

Complete one of the following courses with corresponding lab:

EECE 2210	Electrical Engineering	4 SH
with EECE 2211	Lab for EECE 2210	1 SH
EECE 2410	Circuits	4 SH
with EECE 2411	Introduction to Electrical and Computer Engineering Laboratory	1 SH

ELECTIVE CORE COURSES

Complete two of the following courses with corresponding labs:

EECE 2322	Digital Logic Design	4 SH
with EECE 2323	Lab for EECE 2322	1 SH
EECE 2412	Electronics 1	4 SH
with EECE 2413	Lab for EECE 2412	1 SH
EECE 3440	Electromagnetic Fields and Waves	4 SH
with EECE 3441	Lab for EECE 3440	1 SH

ELECTRICAL ENGINEERING TECHNICAL ELECTIVES

Complete 5 semester hours of electrical engineering technical electives from the following list:

EECE 3410	Electronics 2	4 SH
EECE 3440	Electromagnetic Fields and Waves	4 SH
with EECE 3441	Lab for EECE 3440	1 SH
EECE 3464	Linear Systems	4 SH
EECE 3468	Noise and Stochastic Processes	4 SH
EECE 4524	VLSI Design	4 SH
with EECE 4525	Lab for EECE 4524	1 SH
EECE 4572	Communications Systems	4 SH
EECE 4574	Wireless Communication Circuits	4 SH
EECE 4576	Wireless Personal Communications Systems	4 SH
EECE 4604	Semiconductor Device Theory	4 SH
EECE 4606	Micro- and Nanofabrication	4 SH
EECE 4642	Antennas	4 SH
EECE 4644	Microwave Circuits and Networks	4 SH
EECE 4692	Subsurface Sensing and Imaging	4 SH
EECE 5580	Classical Control Systems	4 SH
with EECE 5581	Lab for EECE 5580	1 SH

EECE 5646	Optics for Engineers	4 SH
EECE 5666	Digital Signal Processing	4 SH
with EECE 5667	Lab for EECE 5666	1 SH
EECE 5680	Electric Drives	4 SH
EECE 5682	Power Systems Analysis 1	4 SH
with EECE 5683	Power Systems Lab	1 SH
EECE 5684	Power Electronics	4 SH
EECE 5686	Electrical Machines	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Computer Engineering

The use of computer technology is exploding, driven by applications in wireless communications, multimedia, portable devices, and Internet computing. At the core of these technological advances are computer engineers who research, design, and develop hardware and software. With a degree in computer engineering you might develop a full-featured multimedia phone, design the next-generation microprocessor, program computer-guided cameras to inspect nanomanufacturing facilities, or start your own software company.

The computer engineering major acquires a strong foundation in engineering principles and the physical sciences in addition to a powerful mix of theory and practice in hardware and software design. The core of the computer engineering curriculum comprises courses in computer organization and architecture, computer networks, computer-aided design, programming languages, optimization theory, and software design.

As specified below, the BSCompE degree requires a sequence of core courses, technical electives, general electives, and electives in the arts and humanities and social sciences.

BSCompE—Bachelor of Science in Computer Engineering**ENGINEERING CATEGORICAL REQUIREMENT**

Students must complete a minimum of semester hours in the categories of math/science and engineering topics. Completing all courses in the prescribed curriculum satisfies these requirements without any additional consideration. However, any student with transfer credit or course substitutions must meet with an academic advisor to plan appropriate course work to assure that these requirements are fully satisfied.

MATHEMATICS/SCIENCE REQUIREMENT

Complete 37 semester hours in mathematics and science as indicated below.

Required Mathematics/Science

Complete each of the following courses with corresponding labs, as indicated:

CHEM 1151	General Chemistry for Engineers	4 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH

MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2310	Discrete Mathematics	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
MATH 3081	Probability and Statistics	4 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Further Credit

2 semester hours from the following lecture/lab combination count toward the mathematics/science requirement:

CS 1500	Algorithms and Data Structures for Engineering	4 SH
with CS 1501	Lab for CS 1500	1 SH

1 semester hour from the following course counts toward the mathematics/science requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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ENGINEERING REQUIREMENT

Complete 57 semester hours in engineering as indicated below.

Required Engineering

Complete each of the following courses with corresponding labs, as indicated:

EECE 2322	Digital Logic Design	4 SH
with EECE 2323	Lab for EECE 2322	1 SH
EECE 2410	Circuits	4 SH
with EECE 2411	Introduction to Electrical and Computer Engineering Laboratory	1 SH
EECE 2412	Electronics 1	4 SH
with EECE 2413	Lab for EECE 2412	1 SH
EECE 3324	Computer Architecture and Organization	4 SH
EECE 3326	Optimization Methods	4 SH
EECE 4628	Computer and Telecommunication Networks	4 SH
with EECE 4629	Internetworking Design Lab	1 SH
EECE 4790	Electrical and Computer Engineering Capstone 1	4 SH
EECE 4792	Electrical and Computer Engineering Capstone 2	4 SH

Electrical and Computer Engineering Technical Electives

Complete 16 semester hours from the following list. Only one course may be in CS:

EECE 3392	Electronic Materials	4 SH
EECE 3410 to EECE 3468		
EECE 4512 to EECE 4626		
EECE 4630 to EECE 4698		
EECE 5000 to EECE 5999		
ENGR 5670	Sustainable Energy: Materials, Conversion, Storage, and Usage	4 SH
CS 3200	Database Design	4 SH

CS 3500	Object-Oriented Design	4 SH
CS 3600	Systems and Networks	4 SH
CS 3800	Theory of Computation	4 SH
CS 4100	Artificial Intelligence	4 SH
CS 4300	Computer Graphics	4 SH
CS 4400	Programming Languages	4 SH
CS 4410	Compilers	4 SH
CS 4550	Web Development	4 SH
CS 4600	Topics in Operating Systems	4 SH
CS 4740	Network Security	4 SH

Further Credit

3 semester hours from the following course count toward the engineering requirement:

GE 1110	Engineering Design	4 SH
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2 semester hours from the following course count toward the engineering requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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PROFESSIONAL DEVELOPMENT REQUIREMENT

Complete 8 semester hours in professional development as indicated below.

Professional Development

Complete the following three courses:

GE 1000	Introduction to the Study of Engineering	1 SH
EECE 2000	Introduction to Engineering Co-op Education	1 SH
EECE 3000	Professional Issues in Engineering	1 SH

Further Credit

3 semester hours from the following lecture/lab combination count toward the professional development requirement:

CS 1500	Algorithms and Data Structures for Engineering	4 SH
with CS 1501	Lab for CS 1500	1 SH

1 semester hour from each of the following courses counts toward the professional development requirement:

GE 1110	Engineering Design	4 SH
GE 1111	Engineering Problem Solving and Computation	4 SH

ADDITIONAL NU CORE COURSES

Complete 16 semester hours in NU Core course work as indicated below.

Writing

Complete the following two courses with a grade of C or higher in each course:

ENGL 1111	College Writing	4 SH
ENGL 3301	Advanced Writing in the Disciplines	4 SH
or ENGL 3302	Advanced Writing in the Technical Professions	4 SH

Arts/Humanities Level 1

Complete 4 semester hours from the NU Core arts/humanities level 1 domain, as described on page 30.

Social Science Level 1

Complete 4 semester hours from the NU Core social science level 1 domain, as described on page 30.

GENERAL ELECTIVES

Complete five 4-SH-equivalent academic, nonremedial, nonrepetitive courses.

RESIDENCY REQUIREMENT

32 of the final 40 semester hours must be taken at Northeastern University.

MAJOR GPA REQUIREMENT

2.000 minimum GPA required in EECE courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

138 total semester hours required

Minimum 2.000 GPA required

Computer Engineering Minor

The minor in computer engineering is open to all students in the University. The minor is designed for students who would like a coherent background in the theory and laboratory practice of computer engineering. The completion of a minor in computer engineering will be recognized by a notation on the student's transcript.

Minor in Computer Engineering

Students must file a petition with the coordinator of undergraduate services in 404 Dana to declare the minor prior to taking any course work. A minimum of 18 semester hours is required with a minimum GPA of 2.000.

CORE COURSE

Complete the following course with corresponding lab:

CS 1500	Algorithms and Data Structures for Engineering	4 SH
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with CS 1501	Lab for CS 1500	1 SH
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Computer science majors may substitute the following course with corresponding lab:

CS 2510	Fundamentals of Computer Science 2	4 SH
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CS 2511	Lab for CS 2510	1 SH
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MAJOR CORE COURSES

Complete the following two courses with corresponding lab, as indicated:

EECE 2322	Digital Logic Design	4 SH
with EECE 2323	Lab for EECE 2322	1 SH
EECE 3324	Computer Architecture and Organization	4 SH

Computer science majors may substitute the following two courses for EECE 3324:

CS 2600	Computer Organization	4 SH
EECE 3230	Computer Architecture for Computer Scientists	4 SH

COMPUTER ENGINEERING TECHNICAL ELECTIVES

Complete 4 semester hours from the following list (computer science majors should complete 8 semester hours):

EECE 3326	Optimization Methods	4 SH
EECE 4520	Software Engineering 1	4 SH
EECE 4522	Software Engineering 2	4 SH
EECE 4524	VLSI Design	4 SH
with EECE 4525	Lab for EECE 4524	1 SH
EECE 4526	High-Speed Digital Design	4 SH
EECE 4528	CAD for Design and Test	4 SH
EECE 4530	Hardware Description Languages and Synthesis	4 SH
EECE 4534	Microprocessor-Based Design	4 SH
with EECE 4535	Lab for EECE 4534	1 SH
EECE 4622	Parallel and Distributed Processing	4 SH
EECE 4626	Image Processing and Pattern Recognition	4 SH
EECE 4628	Computer and Telecommunication Networks	4 SH
with EECE 4629	Internetworking Design Lab	1 SH
EECE 4630	Robotics	4 SH
EECE 4694	Numerical Methods and Computer Applications	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Biomedical Engineering Minor

Medical imaging and biomedical electronics are important areas of biomedical engineering that are within the province of electrical engineering. The minor in biomedical engineering is open to all students in the University with the prerequisite calculus and physics background. The minor is particularly designed for majors in electrical or computer engineering, biology, health science fields, or other engineering departments who would like a background in relevant aspects of biology and electrical engineering, with the opportunity to complete an interdisciplinary biomedical engineering capstone design project. Course work in anatomy and physiology and other health science topics is combined with technical engineering courses related to biomedical imaging and instrumentation. Specific curriculum information

about the biomedical engineering minor may be obtained from the Department of Electrical and Computer Engineering office, 411 Dana Research Center, from the department Web site, or by calling 617.373.2165.

Minor in Biomedical Engineering

Students must file a petition with the coordinator of undergraduate services in 404 Dana to declare the minor prior to taking any course work. A minimum of 26 semester hours is required with a minimum GPA of 2.000.

REQUIRED CORE COURSES

Complete the following three courses with corresponding lab, as indicated:

BIOL 1117	Integrated Anatomy and Physiology 1	4 SH
with BIOL 1118	Lab for BIOL 1117	1 SH
EECE 2411	Introduction to Electrical and Computer Engineering Laboratory	1 SH
EECE 4512	Biomedical Electronics	4 SH
or EECE 4664	Biomedical Signal Processing and Medical Imaging	4 SH

REQUIRED CAPSTONE-DESIGN COURSES

Complete two courses on a biologically oriented project:

EECE 4790	Electrical and Computer Engineering Capstone 1	4 SH
EECE 4792	Electrical and Computer Engineering Capstone 2	4 SH

ELECTIVE COURSES

Complete eight semester hours with courses from the following list:

Electrical Engineering

EECE 2210	Electrical Engineering	4 SH
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Biology

BIOL 1119	Integrated Anatomy and Physiology 2	4 SH
with BIOL 1120	Lab for BIOL 1119	1 SH
BIOL 3405	Neurobiology	4 SH
BIOL 5551	Principles of Animal Physiology	4 SH
with BIOL 5552	Lab for BIOL 5551	1 SH
BIOL 5581	Biological Imaging	4 SH
BIOL 5587	Comparative Neurobiology	4 SH

Physics

PHYS 4621	Biological Physics 1	4 SH
PHYS 4623	Medical Physics	4 SH
PHYS 4651	Medical Physics Seminar 1	4 SH
PHYS 4652	Medical Physics Seminar 2	4 SH

Psychology

PSYC 3452	Sensation and Perception	4 SH
PSYC 3458	Psychobiology	4 SH

Cardiopulmonary and Exercise Sciences

EXSC 4500	Exercise Physiology 1	4 SH
with EXSC 4501	Lab for EXSC 4500	1 SH
EXSC 4504	Clinical Kinesiology	4 SH
with EXSC 4505	Lab for EXSC 4504	1 SH

Physical Therapy

PT 5138	Neuroscience	4 SH
with PT 5139	Lab for PT 5138	1 SH
PT 5170	Motor Control	3 SH
PT 5229	Physical Therapy Project 2	2 SH
PT 5976	Directed Study	1 to 4 SH
PT 6215	Assistive Technology	3 SH

Speech-Language Pathology and Audiology

SLPA 1103	Anatomy and Physiology of the Vocal Mechanism	4 SH
SLPA 1202	Neurological Bases of Communication	4 SH
SLPA 1203	Introduction to Audiology	4 SH
SLPA 1205	Speech and Hearing Science	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Combined Major in Electrical and Computer Engineering

Students may choose to major in both electrical and computer engineering by following the combined-major program leading to a Bachelor of Science in Electrical Engineering or Bachelor of Science in Computer Engineering. Students take the required courses for both majors along with technical electives distributed among the areas of computer engineering; fields, waves, and optics; signals and systems; power engineering; and electronic circuits and devices. A general elective and electives in the arts and humanities and social sciences are also required.

BSEE or BSCompE—Bachelor of Science in Electrical/Computer Engineering**ENGINEERING CATEGORICAL REQUIREMENT**

Students must complete a minimum of semester hours in the categories of math/science and engineering topics. Completing all courses in the prescribed curriculum satisfies these requirements without any additional consideration. However, any student with transfer credit or course substitutions must meet with an academic advisor to plan appropriate course work to assure that these requirements are fully satisfied.

MATHEMATICS/SCIENCE REQUIREMENT

Complete 39 semester hours in mathematics and science as indicated below.

Required Mathematics/Science

Complete each of the following courses with corresponding labs, as indicated:

CHEM 1151	General Chemistry for Engineers	4 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2310	Discrete Mathematics	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Further Credit

2 semester hours from the following course count toward the mathematics/science requirement:

EECE 3468	Noise and Stochastic Processes	4 SH
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2 semester hours from the following lecture/lab combination count toward the mathematics/science requirement:

CS 1500	Algorithms and Data Structures for Engineering	4 SH
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with CS 1501	Lab for CS 1500	1 SH
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1 semester hour from the following course counts toward the mathematics/science requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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ENGINEERING REQUIREMENT

Complete 76 semester hours in engineering as indicated below.

Required Engineering

Complete each of the following courses with corresponding labs, as indicated:

EECE 2322	Digital Logic Design	4 SH
with EECE 2323	Lab for EECE 2322	1 SH
EECE 2410	Circuits	4 SH
with EECE 2411	Introduction to Electrical and Computer Engineering Laboratory	1 SH
EECE 2412	Electronics 1	4 SH
with EECE 2413	Lab for EECE 2412	1 SH
EECE 3324	Computer Architecture and Organization	4 SH
EECE 3326	Optimization Methods	4 SH
EECE 3410	Electronics 2	4 SH
EECE 3440	Electromagnetic Fields and Waves	4 SH
with EECE 3441	Lab for EECE 3440	1 SH
EECE 3464	Linear Systems	4 SH
EECE 4572	Communications Systems	4 SH
EECE 4628	Computer and Telecommunication Networks	4 SH
with EECE 4629	Internetworking Design Lab	1 SH

EECE 4790	Electrical and Computer Engineering Capstone 1	4 SH
EECE 4792	Electrical and Computer Engineering Capstone 2	4 SH

Electrical and Computer Engineering Technical Electives

Complete 16 semester hours from the following list:

EECE 3392	Electronic Materials	4 SH
EECE 4512 to EECE 4535		
EECE 4574 to EECE 4626		
EECE 4630 to EECE 4698		
EECE 5000 to EECE 5999		
ENGR 5670	Sustainable Energy: Materials, Conversion, Storage, and Usage	4 SH
CS 3200	Database Design	4 SH
CS 3500	Object-Oriented Design	4 SH
CS 3600	Systems and Networks	4 SH
CS 3800	Theory of Computation	4 SH
CS 4100	Artificial Intelligence	4 SH
CS 4300	Computer Graphics	4 SH
CS 4400	Programming Languages	4 SH
CS 4410	Compilers	4 SH
CS 4550	Web Development	4 SH
CS 4600	Topics in Operating Systems	4 SH
CS 4740	Network Security	4 SH

Further Credit

3 semester hours from the following course count toward the engineering requirement:

GE 1110	Engineering Design	4 SH
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2 semester hours from each of the following courses count toward the engineering requirement:

EECE 3468	Noise and Stochastic Processes	4 SH
GE 1111	Engineering Problem Solving and Computation	4 SH

PROFESSIONAL DEVELOPMENT REQUIREMENT

Complete 8 semester hours in professional development as indicated below.

Professional Development

Complete the following three courses:

GE 1000	Introduction to the Study of Engineering	1 SH
EECE 2000	Introduction to Engineering Co-op Education	1 SH
EECE 3000	Professional Issues in Engineering	1 SH

Further Credit

3 semester hours from the following lecture/lab combination count toward the professional development requirement:

CS 1500	Algorithms and Data Structures for Engineering	4 SH
with CS 1501	Lab for CS 1500	1 SH

1 semester hour from each of the following courses counts toward the professional development requirement:

GE 1110	Engineering Design	4 SH
GE 1111	Engineering Problem Solving and Computation	4 SH

ADDITIONAL NU CORE COURSES

Complete 16 semester hours in NU Core course work as indicated below.

Writing

Complete the following two courses with a grade of C or higher in each course:

ENGL 1111	College Writing	4 SH
ENGL 3301	Advanced Writing in the Disciplines	4 SH
or ENGL 3302	Advanced Writing in the Technical Professions	4 SH

Arts/Humanities Level 1

Complete 4 semester hours from the NU Core arts/humanities level 1 domain, as described on page 30.

Social Science Level 1

Complete 4 semester hours from the NU Core social science level 1 domain, as described on page 30.

RESIDENCY REQUIREMENT

32 of the final 40 semester hours must be taken at Northeastern University.

MAJOR GPA REQUIREMENT

2.000 minimum GPA required in EECE courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

139 total semester hours required

Minimum 2.000 GPA required

Combined Major in Electrical Engineering and Physics

This intercollege combined major serves students who would like to explore their interest in physics while earning the benefit of an accredited Bachelor of Science degree in engineering. The major combines a major in physics from the Department of Physics in the College of Science with the Bachelor of Science in Electrical Engineering degree from the Department of Electrical and Computer Engineering.

Because of the large body of shared knowledge between electrical engineering and physics, a combined major between these two disciplines is a logical course of study and can be accomplished within a student's usual five-year program (including three co-op placements) without requiring course

overloading in any semester. A student graduating from this program will have studied both the physical fundamentals and the applications of electronic devices and systems. The program is a particularly appropriate course of study for students who wish to pursue a career in solid-state devices, microelectromechanical systems, or nanotechnology.

Students interested in this program should contact the electrical and computer engineering department or the physics department as early as possible, preferably prior to registering for freshman courses.

BSEE in Electrical Engineering and Physics

ENGINEERING CATEGORICAL REQUIREMENT

Students must complete a minimum of semester hours in the categories of math/science and engineering topics. Completing all courses in the prescribed curriculum satisfies these requirements without any additional consideration. However, any student with transfer credit or course substitutions must meet with an academic advisor to plan appropriate course work to assure that these requirements are fully satisfied.

ELECTRICAL ENGINEERING AND PHYSICS GENERAL EDUCATION

Mathematics and Science

CALCULUS 1 AND 2 FOR SCIENCE/ENGINEERING

Complete the following two courses:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH

PHYSICS 1

Complete one of the following courses with corresponding lab and any applicable recitations:

PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH

PHYSICS 2

Complete one of the following courses with corresponding lab and any applicable recitations:

PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

CHEMISTRY

Complete the following course:

CHEM 1151	General Chemistry for Engineers	4 SH
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DIFFERENTIAL EQUATIONS/LINEAR ALGEBRA

Complete the following course:

MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
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or complete the following set of courses:

MATH 2351	Ordinary Differential Equations	4 SH
and MATH 2331	Linear Algebra	4 SH

CALCULUS 3 FOR SCIENCE/ENGINEERING

Complete the following course:

MATH 2321	Calculus 3 for Science and Engineering	4 SH
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ALGORITHMS AND DATA STRUCTURES

Complete the following course with corresponding lab:

CS 1500	Algorithms and Data Structures for Engineering	4 SH
with CS 1501	Lab for CS 1500	1 SH

Arts/Humanities Level 1

Complete one course in the NU Core arts/humanities level 1 domain, as described on page 30.

Social Science Level 1

Complete one course in the NU Core social science level 1 domain, as described on page 30.

GENERAL ELECTIVE

Complete one 4-SH-equivalent academic, nonremedial, nonrepetitive course.

ELECTRICAL ENGINEERING MAJOR REQUIREMENTS

First-Year Engineering

Complete the following two courses:

GE 1110	Engineering Design	4 SH
GE 1111	Engineering Problem Solving and Computation	4 SH

General Engineering

Complete the following three courses:

GE 1000	Introduction to the Study of Engineering	1 SH
EECE 2000	Introduction to Engineering Co-op Education	1 SH
EECE 3000	Professional Issues in Engineering	1 SH

Electrical Engineering Lab

Complete the following course:

EECE 2401	Introduction to Electrical and Computer Engineering Lab	1 SH
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Linear Circuits

Complete the following course:

EECE 2400	Linear Circuits	4 SH
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Electronics

Complete the following course with corresponding lab:

EECE 2402	Electronics	4 SH
with EECE 2403	Lab for EECE 2402	1 SH

Digital Logic Design

Complete the following course with corresponding lab:

EECE 2322	Digital Logic Design	4 SH
with EECE 2323	Lab for EECE 2322	1 SH

Linear Systems

Complete the following course:

EECE 3464 Linear Systems 4 SH

Electromagnetic Fields and Waves

Complete the following course with corresponding lab:

EECE 3440 Electromagnetic Fields and Waves 4 SH

with EECE 3441 Lab for EECE 3440 1 SH

Noise and Stochastic Processes

Complete the following course:

EECE 3468 Noise and Stochastic Processes 4 SH

Communications Systems

Complete the following course:

EECE 4572 Communications Systems 4 SH

Electrical Engineering Technical Electives

Complete two 4-SH-equivalent courses in the following range:

EECE 2001 to EECE 5999

Capstone Design

Complete the following two courses:

EECE 4790 Electrical and Computer Engineering 4 SH
Capstone 1

EECE 4792 Electrical and Computer Engineering 4 SH
Capstone 2

PHYSICS MAJOR REQUIREMENTS**Required Physics**

Complete the following five courses:

PHYS 2303 Modern Physics 4 SH

PHYS 2305 Thermodynamics and Statistical
Mechanics 4 SH

PHYS 3600 Advanced Physics Laboratory 1 4 SH

PHYS 3602 Electricity and Magnetism 4 SH

PHYS 5115 Quantum Mechanics 4 SH

Advanced Physics Elective

Complete one PHYS course in the following range:

PHYS 3600 to PHYS 4999

MAJOR GPA REQUIREMENT

2.000 minimum GPA required in EECE courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

138 total semester hours required

Minimum 2.000 GPA required

BS/MS in Electrical and Computer Engineering

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

BS/MS in Applied Physics and Engineering

See page 237.

MECHANICAL AND INDUSTRIAL ENGINEERING

www.mie.neu.edu

HAMEED METGHALCHI, SCD

Professor and Chair

EMANUEL S. MELACHRINOUDIS, PhD

*Associate Professor, Associate Chair,
and Director of Industrial Engineering*

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The Department of Mechanical and Industrial Engineering offers two accredited programs leading to a Bachelor of Science in industrial engineering and a Bachelor of Science in mechanical engineering. Five-year Bachelor of Science/Master of Science PlusOne programs in the above two disciplines are also available. In addition, the department offers the following minors: (a) minor in industrial engineering, (b) minor in mechanical engineering, and (c) minor in biomechanical engineering.

Our mission is to educate persons for professional and technical excellence; to perform research to advance the science and practice of engineering; to engage in service activities that advance the department, the University, and the profession; and to instill in ourselves and our students habits and attitudes that promote ethical behavior, professional responsibility, and careers that advance the well-being of society.

The goal is for graduates from our undergraduate programs to demonstrate technical excellence in their chosen fields, anticipate and respond to societal changes, and develop careers with depth and flexibility, while retaining a professional and intellectual thrust throughout.

Specifically, we have established the following educational objectives for our undergraduate programs:

- 1a. *Mechanical engineers* will show proficiency in the analysis, modeling, and design of thermal and mechanical systems.
- 1b. *Industrial engineers* will show proficiency in the design, analysis, optimization, and improvement of integrated systems that include people, materials, information, equipment, and energy.

2. Graduates will successfully integrate their academic preparation with engineering practice.
3. Graduates will effectively utilize management skills to design projects and/or programs, to lead their implementation, and to present technical information, as appropriate to their field.
4. Graduates will engage in continuing education for professional development and career planning, including success in graduate education and research for those who choose to do so.

Industrial Engineering

Industrial engineering involves the design and analysis of systems that include people, equipment, and materials and their interactions and performance in the workplace. The industrial engineer collects this information and evaluates alternatives to make decisions that best advance the goals of the enterprise.

The program in industrial engineering offers students a base of traditional engineering courses, such as work design, human-machine systems, probability, statistics, and engineering economy, while emphasizing such contemporary areas as digital simulation, computer information and database systems, quality assurance, logistics and supply chain management, operations research, and facilities planning. Students integrate the knowledge acquired in these courses in a two-semester capstone design project.

Industrial engineers work in manufacturing firms, hospitals, banks, public utilities, transportation, government agencies, insurance companies, and construction firms. Among the projects they undertake are design and implementation of a computer-integrated manufacturing system, facilities planning for a variety of industries, design of a robotics system in a manufacturing environment, long-range corporate planning, development and implementation of a quality-control system, simulation analyses to improve processes and make operational decisions, design of workstations to enhance worker safety and productivity, and development of computer systems for information control.

More than 90 percent of department undergraduate students take advantage of the cooperative education program. Cooperative education assignments generally increase in level of responsibility as students gain theoretical and technical knowledge through their academic work. A sophomore might begin as a computer analyst evaluating the performance of a manufacturing system and progress to designing manufacturing engineering workstations by the senior year.

BSIE—Bachelor of Science in Industrial Engineering

MATHEMATICS/SCIENCE REQUIREMENT

Complete 39 semester hours in mathematics and science as indicated below.

Required Mathematics/Science

Complete each of the following courses with corresponding labs, as indicated:

CHEM 1151	General Chemistry for Engineers	4 SH
or CHEM 1211	General Chemistry 1	4 SH
or CHEM 1214	General Chemistry 2	4 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Further Credit

3 semester hours from the following course count toward the mathematics/science requirement:

IE 3412	Engineering Probability and Statistics	4 SH
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2 semester hours from each of the following courses count toward the mathematics/science requirement:

IE 4515	Operations Research	4 SH
IE 4520	Stochastic Modeling	4 SH

1 semester hour from each of the following courses counts toward the mathematics/science requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
IE 4512	Engineering Economy	4 SH

ENGINEERING REQUIREMENT

Complete 61 semester hours in engineering as indicated below.

Required Engineering

Complete each of the following courses with corresponding labs, as indicated:

IE 2310	Introduction to Industrial Engineering	4 SH
IE 3420	Computers and Information Systems	4 SH
IE 3425	Engineering Database Systems	4 SH
IE 4510	Digital Simulation Techniques	4 SH
IE 4516	Quality Assurance	4 SH
IE 4522	Human Machine Systems	4 SH
with IE 4523	Lab for IE 4522	1 SH
IE 4525	Logistics and Supply Chain Management	4 SH
IE 4530	Manufacturing Systems and Techniques	4 SH
with IE 4531	Lab for IE 4530	1 SH
MEIE 4701	Capstone Design 1	1 SH
MEIE 4702	Capstone Design 2	5 SH

Engineering Electives

Complete 8 semester hours of engineering electives in the following subject areas: CHME, CIVE, EECE, IE, ME, and MEIE.

Further Credit

3 semester hours from each of the following courses count toward the engineering requirement:

GE 1110	Engineering Design	4 SH
IE 4512	Engineering Economy	4 SH

2 semester hours from each of the following courses count toward the engineering requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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IE 4515	Operations Research	4 SH
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IE 4520	Stochastic Modeling	4 SH
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1 semester hour from the following course counts toward the engineering requirement:

IE 3412	Engineering Probability and Statistics	4 SH
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PROFESSIONAL DEVELOPMENT REQUIREMENT

Complete 5 semester hours in professional development as indicated below.

Professional Development

Complete the following three courses:

GE 1000	Introduction to the Study of Engineering	1 SH
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MEIE 2000	Introduction to Engineering Co-op Education	1 SH
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MEIE 3000	Professional Issues in Engineering	1 SH
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Further Credit

1 semester hour from each of the following courses counts toward the professional development requirement:

GE 1110	Engineering Design	4 SH
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GE 1111	Engineering Problem Solving and Computation	4 SH
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ADDITIONAL NU CORE COURSES

Complete 16 semester hours in NU Core course work as indicated below.

Writing

Complete the following two courses with a grade of C or higher in each course:

ENGL 1111	College Writing	4 SH
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ENGL 3301	Advanced Writing in the Disciplines	4 SH
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or ENGL 3302	Advanced Writing in the Technical Professions	4 SH
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Arts/Humanities Level 1

Complete 4 semester hours from the NU Core arts/humanities level 1 domain, as described on page 30.

Social Science Level 1

Complete 4 semester hours from the NU Core social science level 1 domain, as described on page 30.

GENERAL ELECTIVES

Complete four 4-SH-equivalent academic, nonremedial, nonrepetitive courses.

RESIDENCY REQUIREMENT

32 of the final 40 semester hours must be taken at Northeastern University.

MAJOR GPA REQUIREMENT

2.000 minimum GPA required in IE, ME, and MEIE courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

137 total semester hours required

Minimum 2.000 GPA required

BS/MS in Industrial Engineering

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

Minor in Industrial Engineering**REQUIRED COURSES**

Complete the following three courses:

IE 2310	Introduction to Industrial Engineering	4 SH
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IE 3412	Engineering Probability and Statistics	4 SH
	or equivalent	

IE 4515	Operations Research	4 SH
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TECHNICAL ELECTIVE

Complete one course from the following list (see mechanical and industrial engineering academic advisor for additional electives):

IE 3420	Computers and Information Systems	4 SH
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IE 3425	Engineering Database Systems	4 SH
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IE 4510	Digital Simulation Techniques	4 SH
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IE 4512	Engineering Economy	4 SH
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IE 4516	Quality Assurance	4 SH
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IE 4520	Stochastic Modeling	4 SH
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IE 4522	Human Machine Systems	4 SH
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IE 4525	Logistics and Supply Chain Management	4 SH
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IE 4530	Manufacturing Systems and Techniques	4 SH
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GPA REQUIREMENT

2.000 GPA required in the minor

Mechanical Engineering

Mechanical engineering involves the design, development, and manufacture of machinery and devices to transmit power or to convert energy from thermal to mechanical form in order to power the modern world and its machines. Its current practice has been heavily influenced by recent advances in computer hardware and software.

Mechanical engineers use computers to formulate preliminary and final designs of systems or devices, to perform calculations that predict the behavior of the design, and to collect and analyze performance data from system testing or operation.

Traditionally, mechanical engineers have designed and tested devices, such as heating and air-conditioning systems, machine tools, internal-combustion engines, and steam power plants. Today they also play primary roles in the development of new technologies in a variety of fields—energy conversion, solar energy utilization, environmental control, prosthetics, transportation, manufacturing, and new-materials development.

The curriculum in mechanical engineering focuses on three areas: applied mechanics, thermofluids engineering, and materials science. Applied mechanics is the study of the motion and deformation of structural elements acted on by forces in devices that range from rotating industrial dynamos to dentists' drills. Thermofluids engineering deals with the motion of fluids and the transfer of energy, as in the cooling of electronic components or the design of gas turbine engines. Materials science is concerned with the relationship between the structure and properties of materials and with the control of structure, through processing, to achieve the desired properties. Practical applications are in the development of composite materials and in metallurgical process industries.

Courses in each area form the foundation for advanced analytical and creative design courses that culminate in a two-semester capstone design project. Faculty encourages students throughout the curriculum to use computer-aided design tools and high-performance computer workstations.

More than 90 percent of department undergraduate students take advantage of the cooperative education program. Cooperative education assignments increase in responsibility and technical challenge as students progress through the program. Initial positions may involve computer-intensive CAD/CAM assignments or programming tasks, while more advanced jobs will place students in charge of design, quality-control systems, and performance testing of equipment.

BSME—Bachelor of Science in Mechanical Engineering

MATHEMATICS/SCIENCE REQUIREMENT

Complete 36 semester hours in mathematics and science as indicated below.

Required Mathematics/Science

Complete each of the following courses with corresponding labs, as indicated:

BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH
CHEM 1151	General Chemistry for Engineers	4 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Further Credit

1 semester hour from the following course counts toward the mathematics/science requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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ENGINEERING REQUIREMENT

Complete 68 semester hours in engineering as indicated below.

Required Engineering

Complete each of the following courses with corresponding labs, as indicated:

EECE 2210	Electrical Engineering	4 SH
with EECE 2211	Lab for EECE 2210	1 SH
ME 2340	Introduction to Material Science	4 SH
with ME 2341	Lab for ME 2340	1 SH
ME 2350	Engineering Mechanics and Design	4 SH
ME 2355	Mechanics of Materials	4 SH
with ME 2356	Lab for ME 2355	1 SH
ME 2380	Thermodynamics	4 SH
ME 3455	Dynamics and Vibrations	4 SH
with ME 3456	Lab for ME 3455	1 SH
ME 3475	Fluid Mechanics	4 SH
or ME 3480	International Applications of Fluid Mechanics	4 SH
ME 4505	Measurement and Analysis with Thermal Science Application	4 SH
with ME 4506	Lab for ME 4505	1 SH
ME 4508	Mechanical Engineering Computation and Design	4 SH
ME 4550	Mechanical Engineering Design	4 SH
ME 4555	System Analysis and Control	4 SH
ME 4570	Thermal Systems Analysis and Design	4 SH
MEIE 4701	Capstone Design 1	1 SH
MEIE 4702	Capstone Design 2	5 SH

Mechanical and Industrial Engineering Technical Elective

Complete one technical elective in one of the following subject areas: IE, ME, or MEIE.

Further Credit

3 semester hours from the following course count toward the engineering requirement:

GE 1110	Engineering Design	4 SH
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2 semester hours from the following course count toward the engineering requirement:

GE 1111	Engineering Problem Solving and Computation	4 SH
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PROFESSIONAL DEVELOPMENT REQUIREMENT

Complete 5 semester hours in professional development as indicated below.

Professional Development

Complete the following three courses:

GE 1000	Introduction to the Study of Engineering	1 SH
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MEIE 2000	Introduction to Engineering Co-op Education	1 SH
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MEIE 3000	Professional Issues in Engineering	1 SH
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Further Credit

1 semester hour from each of the following courses counts toward the professional development requirement:

GE 1110	Engineering Design	4 SH
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GE 1111	Engineering Problem Solving and Computation	4 SH
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ADDITIONAL NU CORE COURSES

Complete 16 semester hours in NU Core course work as indicated below.

Writing

Complete the following two courses with a grade of C or higher in each course:

ENGL 1111	College Writing	4 SH
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ENGL 3301	Advanced Writing in the Disciplines	4 SH
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or ENGL 3302	Advanced Writing in the Technical Professions	4 SH
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Arts/Humanities Level 1

Complete 4 semester hours from the NU Core arts/humanities level 1 domain, as described on page 30.

Social Science Level 1

Complete 4 semester hours from the NU Core social science level 1 domain, as described on page 30.

GENERAL ELECTIVES

Complete four 4-SH-equivalent academic, nonremedial, nonrepetitive courses.

RESIDENCY REQUIREMENT

32 of the final 40 semester hours must be taken at Northeastern University.

MAJOR GPA REQUIREMENT

2.000 minimum GPA required in IE, ME, and MEIE courses

NU CORE REQUIREMENTS

See page 30 for requirement list.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

141 total semester hours required

Minimum 2.000 GPA required

BS/MS in Mechanical Engineering

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

Minor in Mechanical Engineering**REQUIRED COURSES**

Complete the following two courses:

ME 2350	Engineering Mechanics and Design	4 SH
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ME 2380	Thermodynamics	4 SH
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MECHANICAL ENGINEERING TECHNICAL ELECTIVES

Complete two courses from the following list:

ME 2340	Introduction to Material Science	4 SH
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ME 2355	Mechanics of Materials	4 SH
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ME 3455	Dynamics and Vibrations	4 SH
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ME 3475	Fluid Mechanics	4 SH
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or ME 3480	International Applications of Fluid Mechanics	4 SH
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ME 4508	Mechanical Engineering Computation and Design	4 SH
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ME 4550	Mechanical Engineering Design	4 SH
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ME 4555	System Analysis and Control	4 SH
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ME 4570	Thermal Systems Analysis and Design	4 SH
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GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Biomechanical Engineering**REQUIRED BIOLOGY**

Complete the following two courses with corresponding labs:

BIOL 1111	General Biology 1	4 SH
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with BIOL 1112	Lab for BIOL 1111	1 SH
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BIOL 1117	Integrated Anatomy and Physiology 1	4 SH
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with BIOL 1118	Lab for BIOL 1117	1 SH
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REQUIRED MECHANICAL ENGINEERING

Complete the following three courses with a biomedical engineering component:

ME 5665	Musculoskeletal Biomechanics	4 SH
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MEIE 4701	Capstone Design 1	1 SH
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MEIE 4702	Capstone Design 2	5 SH
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TECHNICAL ELECTIVE

Complete one technical elective from the following list (additional electives may be approved by your academic advisor):

IE 4520	Stochastic Modeling	4 SH
IE 4522	Human Machine Systems	4 SH
ME 4640	Mechanical Behavior and Processing of Materials	4 SH
ME 5650	Advanced Mechanics of Materials	4 SH
ME 5655	Dynamics and Mechanical Vibration	4 SH
PHYS 4621	Biological Physics 1	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

College of Science

www.northeastern.edu/cos

J. MURRAY GIBSON, PhD, Dean

Office: Center for Student Academic Services, 1 Meserve Hall
 Phone: 617.373.3980
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 E-mail contact: csas@neu.edu

The College of Science offers distinguished programs in fields that are at the forefront of discovery, invention, and innovation. These programs in the physical sciences, life sciences, linguistics, and mathematics are designed 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.

The college's experiential learning approach, combined with its strong culture of immersing undergraduates in research, provides students with numerous opportunities to explore innovative, interdisciplinary collaborations. The college provides students with the best possible foundation for achieving their goals, whether in graduate school, professional school, or by immediately pursuing a career.

The college offers Bachelor of Arts and Bachelor of Science degrees in a number of majors, as well as many interdisciplinary programs, and emphasizes general education through the NU Core. Opportunities available to students include national and international programs for study and experience; programs in field settings, both local and abroad; and programs involving affiliations in such areas as science research laboratories and medical facilities. The college also emphasizes experiential learning through cooperative education; service-learning; and other kinds of internships, student-faculty research collaborations, and study abroad.

Students may choose a four- or five-year experiential learning plan in most programs. Either plan offers co-op opportunities, often in an area related to the student's chosen academic area. Students are normally eligible to participate in co-op in the second semester of their sophomore year.

Many programs are flexible enough to allow students to pursue a double major, a major and a minor, or one of the college's specific combined majors. The college also offers students the opportunity to create an independent major in cases where their interests and goals are not met by a specific major program.

Academic Advising

The College of Science has an academic advising system that consists of professional advisors located in the Center for Student Academic Services in 1 Meserve Hall and faculty advisors located in the college's departments and program offices. Detailed advising information is available on the college Web site: www.northeastern.edu/cos. Prelaw advising (www.northeastern.edu/prelaw) and premedical/pre dental advising (www.premed.neu.edu) are also available.

Academic Progression Standards

The College of Science adheres to the University-wide academic progression standards described in the beginning of the catalog. Some majors have additional specific requirements in order to progress from year to year (see major requirements in departmental listings).

Graduation Clearance Process

Students in the College of Science are required to meet with an academic advisor in the Center for Student Academic Services in 1 Meserve Hall to determine their remaining graduation requirements. Some departments also require a meeting with a faculty advisor in their major/program. This should be completed in the junior year to ensure ample time to complete any outstanding requirements.

Transferring to the College of Science

Students who wish to transfer to a science major should meet with a faculty advisor in the major in which they are interested as well as the appropriate advisor in the Center for Student Academic Services in 1 Meserve Hall. Once both advisors have signed the petition for the student to be admitted to the major, the student must take the petition to the Center for Student Academic Services to be processed. For a list of academic advisors in the center and faculty advisors in the departments/programs, please consult the college Web site at www.northeastern.edu/cos. For specific internal transfer requirements, please refer to the academic programs section of the catalog. To declare a minor in the college, students should have a petition signed by a faculty advisor in the department/program offering the minor and then bring the signed petition to the Center for Student Academic Services.

College Requirements

All students in the College of Science must successfully complete the University requirements of the NU Core (see page 30). In addition, students pursuing a Bachelor of Arts degree (BA) must fulfill the BA requirements (see page 31).

BEHAVIORAL NEUROSCIENCE

RICHARD H. MELLONI JR., PHD

Associate Professor, Psychology, and Program Director

Phone: 617.373.3043

E-mail contact: Richard H. Melloni Jr., *Associate Professor and Program Director*, r.melloni@neu.edu

The behavioral neuroscience major is an interdepartmental program for undergraduates, with a program director and advisory board made up of the neuroscience faculty of the College of Science. The field of neuroscience focuses on brain mechanisms and how they give rise to behavioral functions in humans and animals. Behavioral neuroscience combines the disciplines of biology and psychology with a strong background in basic physical sciences and mathematics. The goal is to achieve an understanding of anatomy and physiology of nerve cells, chemical transmission, simple neural circuits, fundamental biological processes such as inheritance and development, and then to see how these biological events give rise to normal and pathological behavior. The primary objective of the neuroscience major is to draw together faculty and students who are interested in this interdisciplinary topic and to provide undergraduates with an education in the field. This major also seeks to prepare students for advancement to graduate programs in the field of neuroscience or in biology or psychology programs with an emphasis in neurobiology. An additional objective of this major is to prepare its students for admission to medical school, although there are additional science courses that should be taken as electives. Finally, the goal of the curriculum is to prepare students for employment in clinical settings or in allied fields such as the biotech industry.

Note: Due to overlap in course content, double majoring in behavioral neuroscience and psychology or behavioral neuroscience and biology is not permitted.

Transferring to the Major

Students must have a minimum cumulative GPA of 2.000 and completion of any three of the following five courses:

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
or BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
or BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH
CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH
PSYC 1101	Foundations of Psychology	4 SH

with a minimum GPA of 2.000 for these courses. Acceptance into the major is based on students' meeting the above criteria and availability of space in the program.

Academic Progression Standards

Same as college standards.

BS in Behavioral Neuroscience

NU CORE REQUIREMENTS

See page 30 for requirement list.

BEHAVIORAL NEUROSCIENCE MAJOR REQUIREMENTS

Survey Courses—Level 1: Introductory

PSYCHOLOGY

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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MATHEMATICS

Complete the following two courses:

MATH 1241	Calculus 1	4 SH
or MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1242	Calculus 2	4 SH
or MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

SCIENCE

Complete the following four courses with corresponding labs:

BIOLOGY 1

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
or BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

BIOLOGY 2

BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
or BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

CHEMISTRY 1

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

CHEMISTRY 2

CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Survey Courses—Level 2: Intermediate**PSYCHOLOGY**

Complete the following two courses:

PSYC 2320	Statistics in Psychological Research	4 SH
PSYC 3458	Psychobiology	4 SH
or BIOL 3405	Neurobiology	4 SH

SCIENCE

Complete the following three courses with corresponding labs:

BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

Advanced Courses—Psychology**ADVANCED PSYCHOLOGY ELECTIVE (AREA A)**

Complete one course from the following list:

PSYC 2358	Behavior Therapies	4 SH
PSYC 3400	Personality	4 SH
PSYC 3402	Social Psychology	4 SH
PSYC 3404	Developmental Psychology	4 SH
PSYC 3406	Abnormal Psychology	4 SH
PSYC 3514	Clinical Neuroscience	4 SH

ADVANCED PSYCHOLOGY ELECTIVE (AREA B)

Complete one course from the following list:

PSYC 3450	Learning and Motivation	4 SH
PSYC 3452	Sensation and Perception	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH
PSYC 3512	Neuropsychology	4 SH
PSYC 3514	Clinical Neuroscience	4 SH
PSYC 4510	Psychopharmacology	4 SH

Advanced Courses—Biology**ADVANCED BIOLOGY ELECTIVE (AREA A)**

Complete one course with corresponding lab from the following list:

BIOL 2319	Regulatory Cell Biology	4 SH
with BIOL 2320	Lab for BIOL 2319	1 SH
BIOL 3407	Molecular Cell Biology	4 SH
BIOL 5551	Principles of Animal Physiology	4 SH
with BIOL 5552	Lab for BIOL 5551	1 SH

ADVANCED BIOLOGY ELECTIVE (AREA B)

Complete one course with corresponding lab from the following list:

BIOL 3403	Animal Behavior	4 SH
BIOL 5545	Neuroethology	4 SH
with BIOL 5546	Lab for BIOL 5545	1 SH
BIOL 5587	Comparative Neurobiology	4 SH

ADVANCED BIOLOGY ELECTIVE (AREA C)

Complete one course with corresponding lab from the following list:

BIOL 2311	Ecology	4 SH
with BIOL 2312	Lab for BIOL 2311	1 SH
BIOL 2315	Invertebrate Zoology	4 SH
with BIOL 2316	Lab for BIOL 2315	1 SH
BIOL 2317	Vertebrate Zoology	4 SH
with BIOL 2318	Lab for BIOL 2317	1 SH
BIOL 2323	Biochemistry	4 SH
with BIOL 2324	Lab for BIOL 2323	1 SH
BIOL 2325	Marine Biology	4 SH
with BIOL 2326	Lab for BIOL 2325	1 SH
BIOL 3401	Comparative Vertebrate Anatomy	4 SH
with BIOL 3402	Lab for BIOL 3401	1 SH
BIOL 5503	Marine Invertebrate Zoology	4 SH
with BIOL 5504	Lab for BIOL 5503	1 SH
BIOL 5541	Endocrinology	4 SH
BIOL 5547	Sociobiology	4 SH
BIOL 5549	Microbial Biotechnology	4 SH
BIOL 5565	Mammalogy	4 SH
with BIOL 5566	Lab for BIOL 5565	1 SH
BIOL 5573	Medical Microbiology	4 SH
with BIOL 5574	Lab for BIOL 5573	1 SH
BIOL 5577	Developmental Biology	4 SH
with BIOL 5578	Lab for BIOL 5577	1 SH
BIOL 5581	Biological Imaging	4 SH
BIOL 5583	Immunology	4 SH
BIOL 5585	Evolution	5 SH
with BIOL 5586	Lab for BIOL 5585	1 SH

Note: The following courses require permission prior to registration:

PT 5131	Gross Anatomy	4 SH
with PT 5132	Lab for PT 5131	1 SH
PT 5138	Neuroscience	4 SH
with PT 5139	Lab for PT 5138	1 SH

Specialty Courses**SEMINAR**

Complete one seminar from the following list:

BIOL 3409	Current Topics in Biology	4 SH
PSYC 4650	Seminar in Clinical Case Study	4 SH
PSYC 4652	Seminar in Ethics in Psychology	4 SH
PSYC 4654	Seminar in Behavioral Modification	4 SH
PSYC 4656	Seminar in Psychobiology	4 SH
PSYC 4658	Seminar in Psycholinguistics	4 SH
PSYC 4660	Seminar in Cognition	4 SH
PSYC 4666	Seminar in Clinical Psychology	4 SH
PSYC 4668	Seminar in Sensation and Perception	4 SH
PSYC 4670	Seminar in Research Psychology	4 SH
PSYC 4672	Seminar in History and Theories of Psychology	4 SH

LABORATORY COURSE

Complete one laboratory course from the following list:

BIOL 4970	Junior/Senior Honors Project 1	4 SH
BIOL 4971	Junior/Senior Honors Project 2	4 SH
BIOL 4992	Directed Study	4 SH
BIOL 5579	Biochemistry/Molecular Biology Experimental Approaches	5 SH
PSYC 4606	Laboratory in Psychobiology	4 SH
PSYC 4608	Laboratory in Animal Behavior Research	4 SH
PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4622	Laboratory in Sensation and Perception	4 SH
PSYC 4970	Junior/Senior Honors Project 1	4 SH
with PSYC 4971	Junior/Senior Honors Project 2	4 SH
PSYC 4992	Directed Study	4 SH

BEHAVIORAL NEUROSCIENCE EXPERIENTIAL LEARNING REQUIREMENT

Complete one of the following three options:

Option 1: Practical and Reflective Experience

Complete a practical experience and a reflective experience:

PRACTICAL EXPERIENCE

Complete one research co-op, research internship, research-oriented directed study, or study abroad.

REFLECTIVE EXPERIENCE

Complete one of the following capstones, seminars, or directed studies:

BIOL 4701	Biology Capstone	4 SH
BIOL 4996	Experiential Education Directed Study	4 SH
PSYC 4650	Seminar in Clinical Case Study	4 SH
PSYC 4652	Seminar in Ethics in Psychology	4 SH
PSYC 4656	Seminar in Psychobiology	4 SH
PSYC 4993	Independent Study	4 SH
PSYC 4996	Experiential Education Directed Study	4 SH

Option 2: Honors Project

Complete two semesters of a biology or psychology honors project:

BIOL 4970	Junior/Senior Honors Project 1	4 SH
with BIOL 4971	Junior/Senior Honors Project 2	4 SH
PSYC 4970	Junior/Senior Honors Project 1	4 SH
with PSYC 4971	Junior/Senior Honors Project 2	4 SH

Option 3: Directed Study

Complete two semesters of directed study with a final oral presentation or written report. Both semesters must be in the same lab:

BIOL 4992	Directed Study	4 SH
PSYC 4992	Directed Study	4 SH

BEHAVIORAL NEUROSCIENCE MAJOR CREDIT REQUIREMENT

Complete 83 semester hours in the major.

Due to overlap in course content, double majoring in behavioral neuroscience and psychology or behavioral neuroscience and biology is not permitted. Also, there is no minor offered in behavioral neuroscience.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BIOCHEMISTRY

DAVID E. BUDIL, PhD

*Associate Professor, Chemistry and Chemical Biology,
and Chair, Biochemistry Steering Committee*

Advising Web site: www.biology.neu.edu/bioadvising.html

Biochemistry includes nearly the entire spectrum of science—from physics and chemistry to biology and medicine. The biochemistry major, sponsored jointly by the Departments of Biology and Chemistry and Chemical Biology, provides a strong foundation in mathematics and the physical sciences as well as thorough training in biochemistry, biology, and chemistry. In addition to formal class work, opportunities are available for participation in faculty research programs on an individual basis or through the Honors Program. The large number of biotechnology companies and biomedical facilities in the Boston area provides a rich source of opportunities through Northeastern's program of cooperative education. A BS in biochemistry/MS in biotechnology program is also available.

A Bachelor of Science degree in biochemistry allows students to enter the job market directly or go on to graduate, medical, veterinary, dental, law, or business school. Students may find positions in biotechnology companies, pharmaceutical companies, or government agencies, working in laboratory or clinical research, quality control, production, information systems, marketing, or technical sales. Students may also pursue graduate study in biochemistry, molecular biology, cell biology, biophysics, genetics, toxicology, biotechnology, clinical chemistry, animal science, nutrition, plant science, or other biomedical sciences.

Students who are interested in attending medical, dental, or veterinary school following graduation are urged to consult with the preprofessional advisory committee early in their careers at Northeastern.

Transferring to the Major

Upperclass students transferring to biochemistry must have a minimum GPA of 2.000 and have completed a year in chemistry and a year in calculus, preferably the following courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

with a grade of C or better.

Transferring into biochemistry requires the approval of the Biochemistry Coordinating Committee Chair. Acceptance into the major is based on students' meeting the criteria for admission and availability of space in the program.

Academic Progression Standards

After four semesters in the major, students must have a GPA of at least 2.000 in all science and math courses and have completed at least six of the following courses:

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
and BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH
CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
and CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
and CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
and MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

Students who transfer into the biochemistry major will be allowed two semesters after entering the major to meet the minimum standards for their class. Students who fail to meet the above standards will be placed on departmental probation. Two consecutive semesters on departmental probation will result in dismissal from the major.

To graduate with a major in biochemistry, a student must have a cumulative GPA of 2.000 for all science and mathematics courses required for the major.

No double majors are offered in biochemistry and biology or in biochemistry and behavioral neuroscience due to similarity in course curricula. Students must maintain a minimum grade-point average of 2.000 to remain in this program.

BS in Biochemistry

NU CORE REQUIREMENTS

See page 30 for requirement list.

BIOCHEMISTRY BREADTH COURSES

Mathematics Courses

Complete the following two courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

Physics Courses

Complete a lecture/lab set for Physics 1 and for Physics 2:

PHYSICS 1		
PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
or PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
PHYSICS 2		
PHYS 1147	Physics for Life Sciences 2	4 SH
with PHYS 1148	Lab for PHYS 1147	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH
or PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

BIOCHEMISTRY MAJOR REQUIREMENTS

Principles of Biology

Complete the following two courses with corresponding labs:

BIOLOGY 1		
BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
or BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH
BIOLOGY 2		
BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
or BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

Molecular Biology

Complete the following two courses, with corresponding lab, as indicated:

BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH
BIOL 3407	Molecular Cell Biology	4 SH

General Chemistry 1

Complete the following course with corresponding lab:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

General Chemistry 2

Complete the following course with corresponding lab:

CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Organic Chemistry 1

Complete the following course with corresponding lab:

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH

Organic Chemistry 2

Complete the following course with corresponding lab:

CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

Additional Chemistry Courses

Complete the following two courses with corresponding labs:

CHEM 2321	Analytical Chemistry	4 SH
with CHEM 2322	Lab for CHEM 2321	1 SH
CHEM 3401	Physical Chemistry 1	4 SH
with CHEM 3402	Lab for CHEM 3401	1 SH

Biochemistry Course

Complete the following course with corresponding lab:

BIOL 2323	Biochemistry	4 SH
with BIOL 2324	Lab for BIOL 2323	1 SH

Experiential Learning Introduction

Complete the following course:

BIOL 1106	Introduction to Experiential Education	1 SH
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Experiential Learning

An activity related to biochemistry and approved by the experiential learning advisor must be completed before the capstone. Among the possibilities are co-op experience, junior/senior honors thesis, research project in a faculty lab, study abroad with submission of a paper, 120 hours of supervised volunteer work in a biochemistry-related area, completion of the following course:

CHEM 4750	Senior Research	4 SH
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or other approved experiences.

Capstone

Complete the following course:

BIOL 4701	Biology Capstone	4 SH
or CHEM 4770	Chemistry Capstone	4 SH

BIOLOGY AND CHEMISTRY ADVANCED ELECTIVES

Complete four advanced courses for a total of at least 17 semester hours from biology and chemistry with a minimum of one from each department. At least one course must be an approved lab course from the list "Approved Labs" below. Up to 4 semester hours may be research in a biology or chemistry faculty lab from the list "Research Option" below.

Biology

BIOL 2311 to BIOL 5999

Chemistry

CHEM 2310 to CHEM 5999

Approved Labs

BIOL 5579	Biochemistry/Molecular Biology Experimental Approaches	5 SH
CHEM 2332	Lab for CHEM 2331	1 SH
with CHEM 2331	Bioanalytical Chemistry	4 SH
CHEM 3522	Instrumental Methods of Analysis Lab	4 SH
with CHEM 3521	Instrumental Methods of Analysis	1 SH
CHEM 3532	Chemical Synthesis Characterization Lab	4 SH
with CHEM 3531	Chemical Synthesis Characterization	1 SH

Research Option

BIOL 4970	Junior/Senior Honors Project 1	4 SH
BIOL 4991	Research	4 SH
CHEM 4750	Senior Research	4 SH
CHEM 4901	Undergraduate Research	4 SH
CHEM 4970	Junior/Senior Honors Project 1	4 SH

BIOCHEMISTRY MAJOR CREDIT/GPA REQUIREMENTS

Complete 94 semester hours in the major with a cumulative GPA of 2.000.

Due to overlap in course content, double majoring in biochemistry and biology or biochemistry and behavioral neuroscience is not permitted.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

136 total semester hours required

Minimum 2.000 GPA required

BS in Biochemistry/MS in Biotechnology**APPLICATION PROCEDURES**

Students should apply for the BS/MS program during their fifth academic semester. Before applying, students must have completed 80 semester hours and one co-op experience.

NU CORE REQUIREMENTS

See page 30 for requirement list.

BIOCHEMISTRY BREADTH COURSES**Mathematics Courses**

Complete the following two courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

Physics Courses

Complete a lecture/lab set for Physics 1 and for Physics 2:

PHYSICS 1

PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
or PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH

PHYSICS 2

PHYS 1147	Physics for Life Sciences 2	4 SH
with PHYS 1148	Lab for PHYS 1147	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH
or PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

BIOCHEMISTRY MAJOR REQUIREMENTS**Principles of Biology**

Complete the following two courses with corresponding labs:

BIOLOGY 1

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
or BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

BIOLOGY 2

BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
or BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

Molecular Biology

Complete the following course with corresponding lab:

BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH

Chemistry Courses

Complete the following six courses with corresponding labs:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH
CHEM 2321	Analytical Chemistry	4 SH
with CHEM 2322	Lab for CHEM 2321	1 SH
CHEM 3401	Physical Chemistry 1	4 SH
with CHEM 3402	Lab for CHEM 3401	1 SH

Biochemistry Course

Complete the following course with corresponding lab:

BIOL 2323	Biochemistry	4 SH
with BIOL 2324	Lab for BIOL 2323	1 SH

Experiential Learning Introduction

Complete the following course:

BIOL 1106	Introduction to Experiential Education	1 SH
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Experiential Learning

Two undergraduate co-op experiences are required, preferably in the biotechnology industry.

Approved Lab

Complete one of the following courses, with corresponding lab, as indicated:

BIOL 5579	Biochemistry/Molecular Biology Experimental Approaches	5 SH
CHEM 2331	Bioanalytical Chemistry	4 SH
with CHEM 2332	Lab for CHEM 2331	1 SH
CHEM 3521	Instrumental Methods of Analysis	1 SH
with CHEM 3522	Instrumental Methods of Analysis Lab	4 SH
CHEM 3531	Chemical Synthesis Characterization	1 SH
with CHEM 3532	Chemical Synthesis Characterization Lab	4 SH

Capstone

Complete the following course:

BIOL 4701	Biology Capstone	4 SH
or CHEM 4770	Chemistry Capstone	4 SH

BIOTECHNOLOGY REQUIREMENTS—GRADUATE COURSES TAKEN AS AN UNDERGRADUATE**Required Courses**

Complete the following five courses for graduate credit:

BIOL 5579	Biochemistry/Molecular Biology Experimental Approaches	5 SH
BIOL 6301	Molecular Cell Biology	4 SH
BIOT 5120	Introduction to Biotechnology	2 SH
BIOT 7245	Biotechnology Applications Laboratory	2 SH
PHSC 5100	Concepts in Pharmaceutical Science	2 SH

Elective Course Work

Complete one additional graduate-level biology or chemistry elective course.

BIOTECHNOLOGY REQUIREMENTS—GRADUATE COURSES TAKEN AS A GRADUATE STUDENT**Track**

Complete either the molecular track or the pharmaceutical track:

MOLECULAR TRACK

Complete the following five courses:

BIOL 7382	Research Problem Solving	2 SH
CHEM 5611	Analytical Separations	3 SH
CHEM 5612	Principles of Mass Spectrometry	3 SH
CHEM 5660	Analytical Biochemistry	3 SH
MGMT 6219	The Business of Biotechnology	3 SH

PHARMACEUTICAL TRACK

Complete the following seven courses:

MGMT 6219	The Business of Biotechnology	3 SH
PHSC 6210	Drug Design, Evaluation, and Development	2 SH
PHSC 6214	Experimental Design and Biometrics	2 SH
PHSC 6216	Human Physiology and Pathophysiology	2 SH
PHSC 6218	Biomedical Chemical Analysis	2 SH
PMST 6252	Pharmacokinetics and Drug Metabolism	3 SH
PMST 6254	Advanced Drug Delivery System	3 SH

Elective Course Work

Complete 2 semester hours of graduate electives chosen in consultation with your advisor.

Graduate-Level Co-op

Complete one graduate-level co-op assignment, preferably in the biotechnology industry.

UNDERGRADUATE BIOCHEMISTRY MAJOR CREDIT/GPA REQUIREMENTS

Complete 94 semester hours for the undergraduate major with a cumulative GPA of 2.000.

Due to overlap in course content, double majoring in biochemistry and biology or biochemistry and behavioral neuroscience is not permitted.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

136 total semester hours required for the bachelor's degree
Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

52 total semester hours of graduate course work required
Minimum 3.000 GPA required for graduate courses

BIOLOGY

www.biology.neu.edu

GÜNTHER K.H. ZUPANC, PhD, DR. RER. NAT. HABIL.

Professor and Chair

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Advising Web site: www.biology.neu.edu/bioadvising.html

By majoring in biology, students are exposed to the organization and the processes of life, from molecules and cells through organs and organ systems to populations, species, ecosystems, and evolution. The major offers the mathematical, chemical, and physical background necessary for understanding biology and the practical scientific skills associated with each of these areas. It allows students to begin to specialize in a subdiscipline of biology such as animal physiology, cell biology, ecology, marine biology, microbiology, molecular biology, plant biology, zoology, and so forth. Numerous opportunities for relevant positions are available through Northeastern's program of cooperative education.

There are several interdisciplinary opportunities involving biology: BS in biochemistry; BS in behavioral neuroscience; BS in computer science and biology; BS in biology and geology; BS in biology and environmental geology; BS in biology/MS in biotechnology; and BS in biochemistry/MS in biotechnology. A marine biology concentration, designed to provide biology majors with a strong foundation in marine biology and related disciplines, is offered through the Northeastern University Marine Science Center in Nahant.

The undergraduate biology major seeks to prepare students for careers in the life sciences, including medical, dental, and other health-related fields. Students may find employment in federal, state, industrial, hospital, or university laboratories or in industries involved in the manufacture and distribution of pharmaceuticals, biological products, food, or scientific equipment. Biologists also work in fisheries, forestry services, county and state agencies, museums, aquariums, research vessels, and marine stations. Graduate study culminating in a master's or doctoral degree can lead to careers in upper-level teaching or research in any of the life sciences.

Premedical, pre dental, and other preprofessional students are urged to consult with the preprofessional advisory committee early in their careers at Northeastern.

The Department of Biology strongly encourages undergraduate research by providing opportunities and support through a number of departmental programs, including research co-ops and internships, course credit for research in faculty labs, honors theses, and work-study research positions. Undergraduates are encouraged to present their findings at Northeastern's annual Scholarship and Technology Expo, as well as at external research conferences and in scholarly journals.

Transferring to the Major

Students transferring to biology must have a minimum cumulative GPA of 2.000 and have completed the following course:

MATH 1120 Precalculus 4 SH
or one semester of calculus with a grade of C or better.

Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

After four semesters in the major, students must have a GPA of at least 2.000 in all science and math courses and have completed at least six of the following courses:

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
and BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH
CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
and CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
and CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
and MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

Students who transfer into the biology major will be allowed two semesters after entering the major to meet the minimum standards for their class. Students who fail to meet the above standards will be placed on departmental probation. Two consecutive semesters on departmental probation will result in dismissal from the major.

To graduate with a major in biology, a student must have a cumulative GPA of 2.000 for all science and mathematics courses required for the major. No double majors are offered in biology and biochemistry or in biology and behavioral neuroscience due to similarity in course curricula.

The Three Seas Program (formerly East/West Marine Biology)

The Three Seas Program allows advanced undergraduate and beginning graduate students in biology and related areas to spend a year of field study in three diverse marine environments.

The program begins in the fall at Northeastern University's Marine Science Center in Nahant, twelve miles from the main campus. In January, students travel to the South Pacific to study tropical biology at UC Berkeley's Gump Marine Station on the island of Moorea, French Polynesia, located ten miles from Tahiti. The final segment of the program is conducted at the University of Washington's Friday Harbor Laboratories on San Juan Island,

located approximately 70 miles north of Seattle and part of an archipelago that lies between the mainland and Vancouver Island. For more information, contact Sal Genovese at 781.581.7370, extension 311 or visit the Three Seas Program Web site at www.threeseas.neu.edu.

Marine Science Center Summer Program in Marine Biology

The summer program allows students to participate in intensive courses at the Marine Science Center (MSC). Students conduct independent research at the MSC laboratory throughout the year. Graduate students from other universities are encouraged to use the laboratory and field sites for thesis research.

BS in Biology

NU CORE REQUIREMENTS

See page 30 for requirement list.

BREADTH COURSES FOR BIOLOGY

Mathematics

Complete the following two courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

General Chemistry 1

Complete the following course with corresponding lab:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

General Chemistry 2

Complete the following course with corresponding lab:

CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Organic Chemistry 1

Complete the following course with corresponding lab:

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH

Organic Chemistry 2

Complete the following course with corresponding lab:

CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

Physics

Complete a lecture/lab set for Physics 1 and for Physics 2 (PHYS 1145 and PHYS 1147 are recommended):

PHYSICS 1		
PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
or PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH

PHYSICS 2			
PHYS 1147	Physics for Life Sciences 2	4 SH	
with PHYS 1148	Lab for PHYS 1147	1 SH	
or PHYS 1155	Physics for Engineering 2	4 SH	
with PHYS 1156	Lab for PHYS 1155	1 SH	
or PHYS 1165	Physics 2	4 SH	
with PHYS 1166	Lab for PHYS 1165	1 SH	

Intermediate or Advanced Science

Complete one intermediate or advanced science course from the following list:

BIOL 2311 to BIOL 5999			
CHEM 2321	Analytical Chemistry	4 SH	
CHEM 2341 to CHEM 5999			
ENVR 2000 to ENVR 4989			
MATH 2280 to MATH 4989			
PHYS 2303 to PHYS 5999			
PSYC 3458	Psychobiology	4 SH	
PSYC 4510	Psychopharmacology	4 SH	
PSYC 4608	Laboratory in Animal Behavior Research	4 SH	

BIOLOGY MAJOR REQUIREMENTS

Required Biology

Complete the following three courses with corresponding labs:

BIOLOGY 1			
BIOL 1101	Principles of Biology 1	4 SH	
with BIOL 1102	Lab for BIOL 1101	1 SH	
or BIOL 1111	General Biology 1	4 SH	
with BIOL 1112	Lab for BIOL 1111	1 SH	
BIOLOGY 2			
BIOL 1103	Principles of Biology 2	4 SH	
with BIOL 1104	Lab for BIOL 1103	1 SH	
or BIOL 1113	General Biology 2	4 SH	
with BIOL 1114	Lab for BIOL 1113	1 SH	
GENETICS			
BIOL 2301	Genetics and Molecular Biology	4 SH	
with BIOL 2302	Lab for BIOL 2301	1 SH	

Experiential Learning Introduction

Complete the following course:

BIOL 1106	Introduction to Experiential Education	1 SH	
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BIOLOGY MAJOR ELECTIVES

Cellular and Molecular Biology

Complete one course with corresponding lab from the following list:

BIOL 2319	Regulatory Cell Biology	4 SH	
with BIOL 2320	Lab for BIOL 2319	1 SH	
or BIOL 2321	Microbiology	4 SH	
with BIOL 2322	Lab for BIOL 2321	1 SH	
or BIOL 2323	Biochemistry	4 SH	
with BIOL 2324	Lab for BIOL 2323	1 SH	

Organismal and Population Biology

Complete one course with corresponding lab from the following list:

BIOL 2311	Ecology	4 SH	
with BIOL 2312	Lab for BIOL 2311	1 SH	
BIOL 2313	Plant Biology	4 SH	
with BIOL 2314	Lab for BIOL 2313	1 SH	
BIOL 2315	Invertebrate Zoology	4 SH	
with BIOL 2316	Lab for BIOL 2315	1 SH	
BIOL 2317	Vertebrate Zoology	4 SH	
with BIOL 2318	Lab for BIOL 2317	1 SH	
BIOL 2325	Marine Biology	4 SH	
with BIOL 2326	Lab for BIOL 2325	1 SH	

Intermediate and Advanced Biology

Complete three biology courses (at least 13 semester hours) numbered 2311 or above from the following list. The expectation is that one of the courses will have a 1-SH corresponding lab: BIOL 2311 to BIOL 5999

RESEARCH			
BIOL 4970	Junior/Senior Honors Project 1	4 SH	
BIOL 4991	Research	4 SH	
BIOL 4992	Directed Study	4 SH	
HONR 4992	Directed Study	4 SH	

Experiential Learning

An activity related to biology and approved by the experiential learning advisor must be completed before the capstone. Among the possibilities are co-op experience, junior/senior honors thesis, research project in a faculty lab, study abroad with submission of a paper, 120 hours of supervised volunteer work in a biology-related area, participation in the Three Seas Program with submission of a project paper, or other approved experiences.

Biology Capstone

Complete the following course:

BIOL 4701	Biology Capstone	4 SH	
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BIOLOGY MAJOR CREDIT/GPA REQUIREMENTS

Complete 85 semester hours in the major with a cumulative GPA of 2.000.

Due to overlap in course content, double majoring in biology and biochemistry or biology and behavioral neuroscience is not permitted.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

136 total semester hours required

Minimum 2.000 GPA required

BS in Biology with Concentration in Marine Biology**NU CORE REQUIREMENTS**

See page 30 for requirement list.

BREADTH COURSES FOR BIOLOGY (MARINE BIOLOGY CONCENTRATION)**Mathematics**

Complete the following two courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

General Chemistry 1

Complete the following course with corresponding lab:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

General Chemistry 2

Complete the following course with corresponding lab:

CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Organic Chemistry 1

Complete the following course with corresponding lab:

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH

Organic Chemistry 2

Complete the following course with corresponding lab:

CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

Physics

Complete a lecture/lab set for Physics 1 and for Physics 2 (PHYS 1145 and PHYS 1147 are recommended):

PHYSICS 1		
PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
or PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
PHYSICS 2		
PHYS 1147	Physics for Life Sciences 2	4 SH
with PHYS 1148	Lab for PHYS 1147	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH
or PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

BIOLOGY MAJOR REQUIREMENTS (MARINE BIOLOGY CONCENTRATION)**Required Biology**

Complete the following three courses with corresponding labs:

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH

or BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH
BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
or BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH
BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH

Experiential Learning Introduction

Complete the following course:

BIOL 1106	Introduction to Experiential Education	1 SH
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Cellular and Molecular Biology

Complete one course with corresponding lab from the following list:

BIOL 2319	Regulatory Cell Biology	4 SH
with BIOL 2320	Lab for BIOL 2319	1 SH
or BIOL 2321	Microbiology	4 SH
with BIOL 2322	Lab for BIOL 2321	1 SH
or BIOL 2323	Biochemistry	4 SH
with BIOL 2324	Lab for BIOL 2323	1 SH

Organismal and Population Biology

Complete the following course with corresponding lab:

BIOL 2311	Ecology	4 SH
with BIOL 2312	Lab for BIOL 2311	1 SH

Marine Biology Courses

Complete four marine biology electives within the course range below for a minimum of 16 semester hours:

BIOL 5501 to BIOL 5531

Experiential Learning

An activity related to biology and approved by the experiential learning advisor must be completed before the capstone. Among the possibilities are co-op experience, junior/senior honors thesis, research project in a faculty lab, study abroad with submission of a paper, 120 hours of supervised volunteer work in a biology-related area, participation in the Three Seas Program with submission of a project paper, or other approved experiences.

Biology Capstone

Complete the following course:

BIOL 4701	Biology Capstone	4 SH
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BIOLOGY MAJOR CREDIT/GPA REQUIREMENTS (MARINE BIOLOGY CONCENTRATION)

Complete 85 semester hours in the major with a cumulative GPA of 2.000.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

136 total semester hours required

Minimum 2.000 GPA required

BS in Biology and Environmental Geology

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Biology and Geology

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Biology and Mathematics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

BIOLOGY MAJOR REQUIREMENTS**Required Biology**

Complete the following three courses with corresponding labs:

BIOLOGY 1

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
or BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

BIOLOGY 2

BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
or BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

GENETICS AND MOLECULAR BIOLOGY

BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH

Chemistry Courses

Complete the following four courses with corresponding labs:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

Cellular and Molecular Biology

Complete one course with corresponding lab from the following list:

BIOL 2319	Regulatory Cell Biology	4 SH
with BIOL 2320	Lab for BIOL 2319	1 SH
BIOL 2321	Microbiology	4 SH
with BIOL 2322	Lab for BIOL 2321	1 SH
BIOL 2323	Biochemistry	4 SH
with BIOL 2324	Lab for BIOL 2323	1 SH

Organismal and Population Biology

Complete one course with corresponding lab from the following list:

BIOL 2311	Ecology	4 SH
with BIOL 2312	Lab for BIOL 2311	1 SH
BIOL 2313	Plant Biology	4 SH
with BIOL 2314	Lab for BIOL 2313	1 SH
BIOL 2315	Invertebrate Zoology	4 SH
with BIOL 2316	Lab for BIOL 2315	1 SH
BIOL 2317	Vertebrate Zoology	4 SH
with BIOL 2318	Lab for BIOL 2317	1 SH

MATHEMATICS MAJOR REQUIREMENTS**Programming Skills**

Complete the following course:

MATH 2250	Programming Skills for Mathematics	2 SH
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Calculus 1

Complete one of the following courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH

Calculus 2 and Calculus 3

Complete the following two courses:

MATH 1342	Calculus 2 for Science and Engineering	4 SH
or MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH

Physics

Complete the following course with corresponding lab:

PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH

Required Mathematics Courses

Complete the following three courses:

MATH 1365	Introduction to Mathematical Reasoning	4 SH
MATH 2351	Ordinary Differential Equations	4 SH
MATH 3081	Probability and Statistics	4 SH

Mathematics Electives

Complete three mathematics courses from the following list:

MATH 2331	Linear Algebra	4 SH
MATH 3000 to MATH 4899		

ADDITIONAL REQUIREMENTS**Biology/Mathematics Integrative Courses**

Complete two integrative courses, with corresponding labs, as indicated, from the following list:

BIOL 3405	Neurobiology	4 SH
BIOL 5551	Principles of Animal Physiology	4 SH
with BIOL 5552	Lab for BIOL 5551	1 SH
BIOL 5581	Biological Imaging	4 SH
BIOL 6308	Bio IT Methods 1—Genome and Proteome Analysis	4 SH

BIOL 6309	Bio IT Methods 2—Protein Structure and Systems	4 SH
CS 2500	Fundamentals of Computer Science 1	4 SH
with CS 2501	Lab for CS 2500	1 SH
CS 2510	Fundamentals of Computer Science 2	4 SH
with CS 2511	Lab for CS 2510	1 SH
MATH 4581	Statistics and Stochastic Processes	4 SH
MATH 7343	Applied Statistics	4 SH

Experiential Learning Introduction

Complete the following two courses:

BIOL 1106	Introduction to Experiential Education	1 SH
MATH 3000	Co-op and Experiential Learning Reflection Seminar 1	1 SH
or MATH 4000	Co-op and Experiential Learning Reflection Seminar 2	1 SH

Writing-Intensive in the Major

Complete one of the following courses:

BIOL 2311	Ecology	4 SH
with BIOL 2312	Lab for BIOL 2311	1 SH
BIOL 2313	Plant Biology	4 SH
with BIOL 2314	Lab for BIOL 2313	1 SH
BIOL 2315	Invertebrate Zoology	4 SH
with BIOL 2316	Lab for BIOL 2315	1 SH
BIOL 2317	Vertebrate Zoology	4 SH
with BIOL 2318	Lab for BIOL 2317	1 SH
BIOL 2319	Regulatory Cell Biology	4 SH
with BIOL 2320	Lab for BIOL 2319	1 SH
BIOL 2321	Microbiology	4 SH
with BIOL 2322	Lab for BIOL 2321	1 SH
BIOL 2323	Biochemistry	4 SH
with BIOL 2324	Lab for BIOL 2323	1 SH
BIOL 2325	Marine Biology	4 SH
with BIOL 2326	Lab for BIOL 2325	1 SH
MATH 3150	Real Analysis	4 SH

Advanced Writing in the Disciplines

Complete one of the following courses:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3307	Advanced Writing in the Sciences	4 SH

Capstone

Complete one of the following capstone courses:

BIOL 4701	Biology Capstone	4 SH
MATH 4025	Applied Mathematics Capstone	4 SH

BIOLOGY AND MATHEMATICS COMBINED-MAJOR CREDIT/GPA REQUIREMENTS

Complete 93 semester hours in the major with a cumulative GPA of 2.000.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

143 total semester hours required
Minimum 2.000 GPA required

BS in Computer Science and Biology

See page 149.

BS in Biology/MS in Biotechnology**APPLICATION PROCEDURES**

Students should apply for the BS/MS PlusOne program during their fifth academic semester. Before applying, students must have completed 80 semester hours and one co-op experience.

NU CORE REQUIREMENTS

See page 30 for requirement list.

BREADTH COURSES FOR BIOLOGY**Mathematics**

Complete the following two courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

General Chemistry 1

Complete the following course with corresponding lab:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

General Chemistry 2

Complete the following course with corresponding lab:

CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Organic Chemistry 1

Complete the following course with corresponding lab:

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH

Organic Chemistry 2

Complete the following course with corresponding lab:

CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

Physics

Complete a lecture/lab set for Physics 1 and for Physics 2 (PHYS 1145 and PHYS 1147 are recommended):

PHYSICS 1		
PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
or PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH

PHYSICS 2			
PHYS 1147	Physics for Life Sciences 2	4 SH	
with PHYS 1148	Lab for PHYS 1147	1 SH	
or PHYS 1155	Physics for Engineering 2	4 SH	
with PHYS 1156	Lab for PHYS 1155	1 SH	
or PHYS 1165	Physics 2	4 SH	
with PHYS 1166	Lab for PHYS 1165	1 SH	

Intermediate or Advanced Science

Complete one intermediate or advanced science course from the following list:

BIOL 2311 to BIOL 5999			
CHEM 2321	Analytical Chemistry	4 SH	
CHEM 2341 to CHEM 5999			
ENVR 2000 to ENVR 4989			
MATH 2280 to MATH 4989			
PHYS 2303 to PHYS 5999			
PSYC 3458	Psychobiology	4 SH	
PSYC 4510	Psychopharmacology	4 SH	
PSYC 4608	Laboratory in Animal Behavior Research	4 SH	

BIولوجY MAJOR REQUIREMENTS

Required Biology

Complete the following three courses with corresponding labs:

BIOLOGY 1			
BIOL 1101	Principles of Biology 1	4 SH	
with BIOL 1102	Lab for BIOL 1101	1 SH	
or BIOL 1111	General Biology 1	4 SH	
with BIOL 1112	Lab for BIOL 1111	1 SH	
BIOLOGY 2			
BIOL 1103	Principles of Biology 2	4 SH	
with BIOL 1104	Lab for BIOL 1103	1 SH	
or BIOL 1113	General Biology 2	4 SH	
with BIOL 1114	Lab for BIOL 1113	1 SH	
GENETICS			
BIOL 2301	Genetics and Molecular Biology	4 SH	
with BIOL 2302	Lab for BIOL 2301	1 SH	

Experiential Learning Introduction

Complete the following course:

BIOL 1106	Introduction to Experiential Education	1 SH	
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Experiential Learning

Two undergraduate co-op experiences are required, preferably in the biotechnology industry.

BIولوجY MAJOR ELECTIVES

Cellular and Molecular Biology

Complete the following course with corresponding lab:

BIOL 2323	Biochemistry	4 SH	
with BIOL 2324	Lab for BIOL 2323	1 SH	

Organismal and Population Biology

Complete one course with corresponding lab from the following list:

BIOL 2311	Ecology	4 SH	
with BIOL 2312	Lab for BIOL 2311	1 SH	
BIOL 2313	Plant Biology	4 SH	
with BIOL 2314	Lab for BIOL 2313	1 SH	
BIOL 2315	Invertebrate Zoology	4 SH	
with BIOL 2316	Lab for BIOL 2315	1 SH	
BIOL 2317	Vertebrate Zoology	4 SH	
with BIOL 2318	Lab for BIOL 2317	1 SH	

Biology Capstone

Complete the following course:

BIOL 4701	Biology Capstone	4 SH	
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BIOTECHNOLOGY REQUIREMENTS—GRADUATE COURSES TAKEN AS AN UNDERGRADUATE

Required Courses

Complete the following five courses for graduate credit:

BIOL 5579	Biochemistry/Molecular Biology Experimental Approaches	5 SH	
BIOL 6301	Molecular Cell Biology	4 SH	
BIOT 5120	Introduction to Biotechnology	2 SH	
BIOT 7245	Biotechnology Applications Laboratory	2 SH	
PHSC 5100	Concepts in Pharmaceutical Science	2 SH	

Elective Course Work

Complete one additional graduate-level biology elective course.

BIOTECHNOLOGY REQUIREMENTS—GRADUATE COURSES TAKEN AS A GRADUATE STUDENT

Track

Complete either the molecular track or the pharmaceutical track:

MOLECULAR TRACK

Complete the following five courses:

BIOL 7382	Research Problem Solving	2 SH	
CHEM 5611	Analytical Separations	3 SH	
CHEM 5612	Principles of Mass Spectrometry	3 SH	
CHEM 5660	Analytical Biochemistry	3 SH	
MGMT 6219	The Business of Biotechnology	3 SH	

PHARMACEUTICAL TRACK

Complete the following seven courses:

MGMT 6219	The Business of Biotechnology	3 SH	
PHSC 6210	Drug Design, Evaluation, and Development	2 SH	
PHSC 6214	Experimental Design and Biometrics	2 SH	
PHSC 6216	Human Physiology and Pathophysiology	2 SH	
PHSC 6218	Biomedical Chemical Analysis	2 SH	
PMST 6252	Pharmacokinetics and Drug Metabolism	3 SH	
PMST 6254	Advanced Drug Delivery System	3 SH	

Elective Course Work

Complete 2 semester hours of graduate electives chosen in consultation with your advisor.

Graduate-Level Co-op

Complete one graduate-level co-op assignment, preferably in the biotechnology industry.

UNDERGRADUATE BIOLOGY MAJOR CREDIT/GPA REQUIREMENTS

Complete 85 semester hours in the major with a cumulative GPA of 2.000.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION**UNIVERSITY-WIDE REQUIREMENTS**

136 total semester hours required for the bachelor's degree
Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

52 total semester hours of graduate course work required
Minimum 3.000 GPA required for graduate courses

Minor in Biology

This minor is not available for students who major in biology, biochemistry, behavioral neuroscience, or any combined major that involves biology.

REQUIRED BIOLOGY COURSES

Complete five biology courses for a total of at least 23 semester hours. At least three courses must be intermediate or advanced (BIOL 2301 to BIOL 5999). Three of the five courses must contain a lab corequisite.

BREADTH COURSE

To provide breadth of knowledge, complete one additional science course in the BIOL, CHEM, ENVR, or PHYS subject areas or from the following list:

PSYC 3458	Psychobiology	4 SH
PSYC 4510	Psychopharmacology	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Marine Biology

This minor is not available for students who major in biology or any combined major that involves biology. Biology majors interested in marine biology should consider the concentration in marine biology.

REQUIRED COURSES

Complete the following two courses with corresponding labs:

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
or BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH
BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
or BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

ELECTIVE COURSES

Complete three courses from the following list:

BIOL 2315	Invertebrate Zoology	4 SH
with BIOL 2316	Lab for BIOL 2315	1 SH
BIOL 2325	Marine Biology	4 SH
with BIOL 2326	Lab for BIOL 2325	1 SH
BIOL 5501	Marine Botany	4 SH
with BIOL 5502	Lab for BIOL 5501	1 SH
BIOL 5503	Marine Invertebrate Zoology	4 SH
with BIOL 5504	Lab for BIOL 5503	1 SH
BIOL 5505	Biology of Corals	3 SH
BIOL 5507	Biology and Ecology of Fishes	3 SH
BIOL 5509	Marine Birds and Mammals	2 SH
with BIOL 5510	Lab for BIOL 5509	1 SH
BIOL 5515	Marine Ecology	4 SH
BIOL 5517	Oceanography	2 SH
with BIOL 5518	Lab for BIOL 5517	1 SH
BIOL 5519	Ocean and Coastal Processes	2 SH
BIOL 5521	Experimental Design Marine Ecology	4 SH
with BIOL 5522	Lab for BIOL 5521	1 SH
BIOL 5523	Molecular Marine Biology	3 SH
BIOL 5525	Marine Microbial Ecology	2 SH
with BIOL 5526	Lab for BIOL 5525	1 SH
BIOL 5527	Marine Conservation Biology	3 SH
BIOL 5529	Physiological and Molecular Marine Ecology	3 SH
BIOL 5589	Diving Research Methods	2 SH

BREADTH COURSES

To provide breadth of knowledge, complete one additional science course in the BIOL, CHEM, ENVR, or PHYS subject areas or from the following list:

PSYC 3458	Psychobiology	4 SH
PSYC 4510	Psychopharmacology	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

CHEMISTRY AND CHEMICAL BIOLOGY

www.chem.neu.edu/web

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The Department of Chemistry and Chemical Biology provides education in basic chemistry and modern chemistry-related disciplines. The department offers an American Chemical Society–certified program leading to a Bachelor of Science in Chemistry, and also offers a Bachelor of Science in Biochemistry jointly with the Department of Biology. The overall objective of the Bachelor of Science in Chemistry major program is to provide the fundamental scientific background and practical training for students as they prepare for chemically related careers or advanced study in fields including the traditional chemical specialties, as well as biochemistry, materials science, forensic science, medicine, education, law, and other endeavors that may draw upon an understanding of the chemical basis of the world around us.

Key general objectives are the development of qualitative and quantitative problem-solving skills and effective communication skills. Specific learning objectives for the chemistry major include to develop conceptual understanding and problem-solving abilities in the fundamental chemical subfields of analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry; gain a foundation of physics and mathematics and integrate these areas with chemical principles; perform quantitative measurements; synthesize and characterize compounds; learn proper laboratory practices including safety; develop proficiency with modern instruments and computers for data acquisition and analysis; and learn the relevance of chemistry to biology, pharmacology, medicine, manufactured and natural materials, and the environment.

Most of our chemistry majors participate in the cooperative education program and thereby gain invaluable professional experience to augment their classroom and laboratory work. Not only does that experience add immensely to the overall education received, it also has the potential to provide contacts and references for later employment or graduate school admissions. Chemistry majors also undertake a research project for at least one semester under the supervision of a faculty member. Sufficient electives are available in the program either to take more advanced courses or research within the department, or to add courses in an area of special interest, such as criminal justice in the case of an interest in forensic science. Qualified students may also participate in a five-year BS/MS program.

Transferring to the Major

A GPA of 2.500 is required in all chemistry, physics, and math courses taken. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the program.

Academic Progression Standards

Students who began as freshman chemistry majors must, after four semesters, have completed 64 semester hours and the following courses with grades of C or better:

CHEM 1217	General Chemistry 1 for Chemical Science Majors	4 SH
with CHEM 1218	Lab for CHEM 1217	2 SH
CHEM 1220	General Chemistry 2 for Chemical Science Majors	4 SH
with CHEM 1221	Lab for CHEM 1220	2 SH
CHEM 2315	Organic Chemistry 1 for Chemistry Majors	4 SH
with CHEM 2316	Lab for CHEM 2315	2 SH
CHEM 2317	Organic Chemistry 2 for Chemistry Majors	4 SH
with CHEM 2318	Lab for CHEM 2317	2 SH
CHEM 2331	Bioanalytical Chemistry	4 SH
with CHEM 2332	Lab for CHEM 2331	1 SH

Students who transferred into the major must, after two semesters in the major, have completed 64 semester hours and the following courses with grades of C or better:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

or equivalent courses.

BS in Chemistry

NU CORE REQUIREMENTS

See page 30 for requirement list.

CHEMISTRY MAJOR TECHNICAL REQUIREMENTS

Mathematics

Complete the following two courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
or MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
or MATH 1342	Calculus 2 for Science and Engineering	4 SH

Biochemistry

Complete the following course with corresponding lab:

CHEM 5621	Principles of Chemical Biology for Chemists	3 SH
with CHEM 5622	Lab for CHEM 5621	1 SH

Physics 1

Complete one of the following courses with corresponding lab:

PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH

Physics 2

Complete one of the following courses with corresponding lab:

PHYS 1147	Physics for Life Sciences 2	4 SH
with PHYS 1148	Lab for PHYS 1147	1 SH
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

CHEMISTRY MAJOR REQUIREMENTS**General Chemistry 1**

Complete the following course with corresponding lab:

CHEM 1217	General Chemistry 1 for Chemical Science Majors	4 SH
with CHEM 1218	Lab for CHEM 1217	2 SH

General Chemistry 2

Complete the following course with corresponding lab:

CHEM 1220	General Chemistry 2 for Chemical Science Majors	4 SH
with CHEM 1221	Lab for CHEM 1220	2 SH

Intermediate-Level Chemistry—Organic Chemistry 1

Complete the following course with corresponding lab:

CHEM 2315	Organic Chemistry 1 for Chemistry Majors	4 SH
with CHEM 2316	Lab for CHEM 2315	2 SH

Intermediate-Level Chemistry—Organic Chemistry 2

Complete the following course with corresponding lab:

CHEM 2317	Organic Chemistry 2 for Chemistry Majors	4 SH
with CHEM 2318	Lab for CHEM 2317	2 SH

Intermediate-Level Chemistry 1

Complete the following two courses with corresponding labs:

BIOANALYTICAL CHEMISTRY

CHEM 2331	Bioanalytical Chemistry	4 SH
with CHEM 2332	Lab for CHEM 2331	1 SH

PHYSICAL CHEMISTRY

CHEM 3401	Physical Chemistry 1	4 SH
with CHEM 3402	Lab for CHEM 3401	1 SH

Intermediate-Level Chemistry 2

Complete one of the following courses with CHEM 3404 as corresponding lab:

CHEM 3403	Physical Chemistry 2	4 SH
or CHEM 3421	Biophysical Chemistry	4 SH
or CHEM 5637	Foundations of Spectroscopy	3 SH
with CHEM 3404	Lab for CHEM 3403	1 SH

Advanced-Level Chemistry

Complete the following four courses with corresponding labs:

CHEM 3501	Inorganic Chemistry	4 SH
or CHEM 3505	Introduction to Bioinorganic Chemistry	4 SH
or CHEM 5696	Organometallic Chemistry	3 SH
CHEM 3521	Instrumental Methods of Analysis	1 SH
with CHEM 3522	Instrumental Methods of Analysis Lab	4 SH
CHEM 3531	Chemical Synthesis Characterization	1 SH
with CHEM 3532	Chemical Synthesis Characterization Lab	4 SH
CHEM 5628	Spectroscopy of Organic Compounds	3 SH
with CHEM 4629	Identification of Organic Compounds	2 SH

Senior Research/Capstone

Complete the following course:

CHEM 4750	Senior Research	4 SH
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EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

CHEMISTRY MAJOR CREDIT REQUIREMENT

Complete 85 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

136 total semester hours required

Minimum 2.000 GPA required

BS in Environmental Geology and Chemistry

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Geology and Chemistry

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS/MS in Chemistry**NU CORE REQUIREMENTS**

See page 30 for requirement list.

CHEMISTRY MAJOR TECHNICAL REQUIREMENTS**Mathematics**

Complete the following two courses:

MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
or MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH
or MATH 1342	Calculus 2 for Science and Engineering	4 SH

Biochemistry

Complete the following course with corresponding lab:

CHEM 5621	Principles of Chemical Biology for Chemists	3 SH
with CHEM 5622	Lab for CHEM 5621	1 SH

Physics 1

Complete one of the following courses with corresponding lab:

PHYS 1145	Physics for Life Sciences 1	4 SH
with PHYS 1146	Lab for PHYS 1145	1 SH
or PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH

Physics 2

Complete one of the following courses with corresponding lab:

PHYS 1147	Physics for Life Sciences 2	4 SH
with PHYS 1148	Lab for PHYS 1147	1 SH
or PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

CHEMISTRY MAJOR REQUIREMENTS**General Chemistry 1**

Complete the following course with corresponding lab:

CHEM 1217	General Chemistry 1 for Chemical Science Majors	4 SH
with CHEM 1218	Lab for CHEM 1217	2 SH

General Chemistry 2

Complete the following course with corresponding lab:

CHEM 1220	General Chemistry 2 for Chemical Science Majors	4 SH
with CHEM 1221	Lab for CHEM 1220	2 SH

Intermediate-Level Chemistry—Organic Chemistry 1

Complete the following course with corresponding lab:

CHEM 2315	Organic Chemistry 1 for Chemistry Majors	4 SH
with CHEM 2316	Lab for CHEM 2315	2 SH

Intermediate-Level Chemistry—Organic Chemistry 2

Complete the following course with corresponding lab:

CHEM 2317	Organic Chemistry 2 for Chemistry Majors	4 SH
with CHEM 2318	Lab for CHEM 2317	2 SH

Intermediate-Level Chemistry 1

Complete the following two courses with corresponding labs:

BIOANALYTICAL CHEMISTRY		
CHEM 2331	Bioanalytical Chemistry	4 SH
with CHEM 2332	Lab for CHEM 2331	1 SH
PHYSICAL CHEMISTRY		
CHEM 3401	Physical Chemistry 1	4 SH
with CHEM 3402	Lab for CHEM 3401	1 SH

Intermediate-Level Chemistry 2

Complete the following course with CHEM 3404:

CHEM 3421	Biophysical Chemistry	4 SH
CHEM 3404	Lab for CHEM 3403	1 SH

Advanced-Level Chemistry

Complete the following four courses, with corresponding labs, where indicated:

CHEM 3521	Instrumental Methods of Analysis	1 SH
with CHEM 3522	Instrumental Methods of Analysis Lab	4 SH
CHEM 3531	Chemical Synthesis Characterization	1 SH
with CHEM 3532	Chemical Synthesis Characterization Lab	4 SH
CHEM 5628	Spectroscopy of Organic Compounds	3 SH
CHEM 5646	Synthesis and Reactivity of Inorganic Compounds	3 SH
or CHEM 5696	Organometallic Chemistry	3 SH

Senior Research/Capstone

Complete the following course:

CHEM 4750	Senior Research	4 SH
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GRADUATE REQUIREMENTS**Graduate Seminars**

Complete the following (repeatable) course two times:

CHEM 8504	Graduate Seminar	1 SH
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Graduate Electives

Complete six graduate electives from the following range:

CHEM 5000 to CHEM 9999

Master's Research and Thesis

Complete 10 semester hours of master's thesis research:

CHEM 8984	Research	1 to 6 SH
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EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

CHEMISTRY BS/MS MAJOR CREDIT REQUIREMENT

Complete 117 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

136 total semester hours required for the bachelor's degree
Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

30 total semester hours of graduate course work required
Minimum 3.000 GPA required for graduate courses

Minor in Chemistry**REQUIRED COURSES**

Complete the following six courses with corresponding labs. Engineering students may take CHEM 1151 in place of CHEM 1211 and two other chemistry courses in place of CHEM 1214 and CHEM 3401:

General Chemistry 1

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

General Chemistry 2

CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Organic Chemistry 1

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH

Organic Chemistry 2

CHEM 2313	Organic Chemistry 2	4 SH
with CHEM 2314	Lab for CHEM 2313	1 SH

Physical Chemistry 1

CHEM 3401	Physical Chemistry 1	4 SH
with CHEM 3402	Lab for CHEM 3401	1 SH

Physical Chemistry 2

Note: CHEM 3404 should be taken as corresponding lab with CHEM 3403, CHEM 3421, or CHEM 5637.

CHEM 3403	Physical Chemistry 2	4 SH
or CHEM 3421	Biophysical Chemistry	4 SH
or CHEM 5637	Foundations of Spectroscopy	3 SH
with CHEM 3404	Lab for CHEM 3403	1 SH

GPA REQUIREMENT

2.000 GPA required in the minor

EARTH AND ENVIRONMENTAL SCIENCES

www.ees.neu.edu

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The Department of Earth and Environmental Sciences' programs are designed to help students develop an in-depth understanding of the processes that affect the earth's surface and that have the greatest impacts on society. Graduates of such programs contribute to the solution of environmental problems such as soil or groundwater contamination, flooding, slope stability, shore erosion related to changing land use, or coping with the impact of sea-level rise or changing weather patterns related to global warming. Commonly, environmental professionals are expected to work effectively as part of a multidisciplinary team containing scientists, engineers, and professionals who can evaluate the legal, economic, political, and social ramifications of complex environmental problems. Northeastern's emphasis on experiential, off-campus learning in addition to classroom learning is designed to help our students to become well grounded in their field of study and to work effectively with others to study and address real problems, as part of their undergraduate program.

Our Bachelor of Science in Environmental Science degree is organized for students who seek a comprehensive understanding of the scientific implications of environmental issues and the ways that environmental scientists from a range of disciplines can approach their solution. Every student has an opportunity to develop core knowledge in geology, biology, chemistry, and mathematics early in the program. Students then select one of four concentrations—surficial processes; marine science; wildlife studies; or environmental geology—as a program focus for their upper-level course work. We also provide an independent track for students whose interests do not fall into one of these four areas. Students who elect this option work with a faculty advisor to identify a group of five mid- to upper-level science courses that are aligned with the student's career interests. (Students who are interested in studying environmental issues from a policy-based perspective should read the description of the BA in Environmental Studies on page 214.)

A number of combined-major programs are offered; these can help focus a student's course choices along avenues that faculty feel are particularly appropriate.

Fieldwork is a valued component of training in our programs, and many of our courses use field sites throughout New England to demonstrate environmental processes or problems in their full complexity. In addition to sponsoring local trips, we have taken

students on one longer field excursion each year to Iceland, the Cascade Mountains of Washington, the island of San Salvador in the Bahamas, or the Grand Canyon. Students also have the option to complete undergraduate research experiences with a faculty member. Undergraduate research projects can involve fieldwork and/or lab work completed under the guidance of faculty.

Many of our recent graduates work for environmental or geotechnical firms or continue their studies in graduate school. Students who participate in the co-op program typically work with local engineering or environmental consulting companies or with government agencies. These jobs often involve assessing building sites, evaluating land use, and studying problems concerned with groundwater contamination and remediation.

Transferring to the Major

Same as college standards. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Marine Studies Minor

The marine studies minor is designed to provide a structured program for students with an interest in the marine environment. The program allows an emphasis in either the scientific or the social science/humanistic study of the oceans.

The program draws on courses throughout the University and is affiliated with several outstanding, specialized marine programs. These include the SEA Semester Program run by the Sea Education Association, which provides a rigorous program in marine sciences at Woods Hole, Massachusetts, and aboard one of its tall ships for training cruises in the Caribbean, Pacific, or Labrador Sea. In addition to the cruises designed to explore the broad range of aspects of marine science and culture, there are specialized cruises that add a focus on Caribbean studies, Pacific island culture, and marine environmental issues. Students may also take specialized courses in marine topics through the Marine Studies Consortium.

For more information, contact the director of marine studies, Professor Peter S. Rosen (14 Holmes Hall), at 617.373.4380 or at p.rosen@neu.edu.

Massachusetts Bay Marine Studies Consortium

Northeastern University students may take classes at the Massachusetts Bay Marine Studies Consortium. The consortium's course offerings are interdisciplinary and seek to bridge academic disciplines and current concerns in the marine world. For more information, contact the marine studies program director, Professor Peter S. Rosen, at 617.373.4380 or at p.rosen@neu.edu.

Sea Education Association

SEA Semester is an interdisciplinary program focusing on the sea in which students undertake course work ashore followed by a practical component at sea. The program combines intensive research in the areas of oceanography, maritime studies, and

nautical science with hands-on experience aboard a traditional sailing ship. Piloting, celestial navigation, and practical seamanship are learned together with oceanographic sampling techniques and marine laboratory procedures during a six-week voyage on a ship sailing either on the Atlantic or Pacific Oceans. Critical thinking, problem-solving, team-building, and leadership skills are emphasized throughout the program. Some cruises focus on specialized topics including oceans and climate, Caribbean studies, or Polynesian studies. Through our affiliation with the Sea Education Association, SEA Semester courses earn Northeastern credit. The program is appropriate for students in biology, environmental and physical sciences, environmental studies, American studies, and most other areas within the liberal arts and sciences. For more information, contact the marine studies program director, Professor Peter S. Rosen, at 617.373.4380 or at p.rosen@neu.edu.

Academic Progression Standards

Same as college standards.

BS in Environmental Science

NU CORE REQUIREMENTS

See page 30 for requirement list.

ENVIRONMENTAL SCIENCE MAJOR REQUIREMENT

Geology Courses

Complete the following six courses, with corresponding labs, as indicated:

ENVR 1101	Environmental Science	4 SH
ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH
ENVR 2340	Earth Landforms and Processes	4 SH
with ENVR 2341	Lab for ENVR 2340	1 SH
ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH
ENVR 4500	Applied Hydrogeology	4 SH
with ENVR 4501	Lab for ENVR 4500	1 SH
ENVR 5210	Environmental Planning	4 SH
or ENVR 5250	Geology and Land-Use Planning	4 SH

Calculus 1

Complete one of the following courses:

MATH 1241	Calculus 1	4 SH
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH

Calculus 2

Complete one of the following courses:

MATH 1242	Calculus 2	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

Biology 1

Complete one of the following courses with corresponding lab:

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH

General Chemistry 1

Complete the following course with corresponding lab:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

Biology 2

Complete one of the following courses with corresponding lab:

BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

General Chemistry 2

Complete the following course with corresponding lab:

CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

Earth and Environmental Science Capstone

Complete the following course:

ENVR 4900	Earth and Environmental Science Capstone	1 SH
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ENVIRONMENTAL SCIENCE CONCENTRATIONS

Complete the required courses in one of the following concentrations, or complete the independent track in consultation with your advisor:

Concentration in Surficial Processes**ORGANIC CHEMISTRY**

Complete one of the following courses with corresponding lab:

CHEM 1104	Organic Chemistry for Health Sciences	4 SH
with CHEM 1105	Lab for CHEM 1104	1 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH

SURFICIAL PROCESSES ELECTIVES

Complete four courses from the following list, with corresponding labs, as indicated:

CIVE 2334	Environmental Engineering 1	4 SH
CIVE 2340	Soil Mechanics	4 SH
ENVR 2310	Earth Materials	4 SH
with ENVR 2311	Lab for ENVR 2310	1 SH
ENVR 3302	Introduction to Remote Sensing	4 SH
with ENVR 3303	Lab for ENVR 3302	1 SH
ENVR 3400	Field Geology	4 SH
ENVR 3410	Environmental Geochemistry	4 SH
ENVR 3418	Geophysics	4 SH
ENVR 4106	Coastal Processes	4 SH
with ENVR 4107	Lab for ENVR 4106	1 SH
ENVR 4504	Environmental Pollution	4 SH
ENVR 4505	Wetlands	4 SH

ENVR 5190	Soil Science	4 SH
ENVR 5201	Geologic Field Seminar	4 SH
ENVR 5244	Sedimentation	4 SH
with ENVR 5245	Lab for ENVR 5244	1 SH
ENVR 5270	Glacial and Quaternary History	4 SH
with ENVR 5271	Lab for ENVR 5270	1 SH
ENVR 5280	Groundwater Modeling	4 SH
ENVR 5282	Groundwater Geochemistry	4 SH

Concentration in Marine Science**ORGANIC CHEMISTRY**

Complete one of the following courses with corresponding lab:

CHEM 1104	Organic Chemistry for Health Sciences	4 SH
with CHEM 1105	Lab for CHEM 1104	1 SH
CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH

MARINE SCIENCE ELECTIVES

Complete either one semester of the Three Seas Marine Biology Program or the three marine science courses with corresponding labs, as indicated:

THREE SEAS PROGRAM

BIOL 5501	Marine Botany	4 SH
with BIOL 5502	Lab for BIOL 5501	1 SH
BIOL 5503	Marine Invertebrate Zoology	4 SH
with BIOL 5504	Lab for BIOL 5503	1 SH
BIOL 5505	Biology of Corals	3 SH
BIOL 5507	Biology and Ecology of Fishes	3 SH
BIOL 5509	Marine Birds and Mammals	2 SH
with BIOL 5510	Lab for BIOL 5509	1 SH
BIOL 5513	Tropical Terrestrial Ecology	1 SH
BIOL 5515	Marine Ecology	4 SH
BIOL 5517	Oceanography	2 SH
with BIOL 5518	Lab for BIOL 5517	1 SH
BIOL 5519	Ocean and Coastal Processes	2 SH
BIOL 5521	Experimental Design Marine Ecology	4 SH
with BIOL 5522	Lab for BIOL 5521	1 SH
BIOL 5523	Molecular Marine Biology	3 SH
BIOL 5525	Marine Microbial Ecology	2 SH
with BIOL 5526	Lab for BIOL 5525	1 SH

MARINE SCIENCE COURSES

BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH
BIOL 2311	Ecology	4 SH
with BIOL 2312	Lab for BIOL 2311	1 SH
BIOL 2315	Invertebrate Zoology	4 SH
with BIOL 2316	Lab for BIOL 2315	1 SH

Concentration in Wildlife Studies**REQUIRED COURSES**

Complete the following three courses with corresponding labs:

BIOL 2301	Genetics and Molecular Biology	4 SH
with BIOL 2302	Lab for BIOL 2301	1 SH
BIOL 2311	Ecology	4 SH
with BIOL 2312	Lab for BIOL 2311	1 SH

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
or CHEM 1104	Organic Chemistry for Health Sciences	4 SH
with CHEM 1105	Lab for CHEM 1104	1 SH

WILDLIFE STUDIES ELECTIVES

Complete two courses from the following list, with corresponding labs, as indicated:

BIOL 2315	Invertebrate Zoology	4 SH
with BIOL 2316	Lab for BIOL 2315	1 SH
BIOL 2317	Vertebrate Zoology	4 SH
with BIOL 2318	Lab for BIOL 2317	1 SH
BIOL 3403	Animal Behavior	4 SH
BIOL 5509	Marine Birds and Mammals	2 SH
with BIOL 5510	Lab for BIOL 5509	1 SH
BIOL 5559	Entomology	4 SH
with BIOL 5560	Lab for BIOL 5559	1 SH
BIOL 5561	Herpetology	4 SH
with BIOL 5562	Lab for BIOL 5561	1 SH
BIOL 5563	Ornithology	4 SH
with BIOL 5564	Lab for BIOL 5563	1 SH
BIOL 5565	Mammalogy	4 SH
with BIOL 5566	Lab for BIOL 5565	1 SH
BIOL 5567	Wildlife Biology	4 SH
with BIOL 5568	Lab for BIOL 5567	1 SH

Concentration in Environmental Geology

REQUIRED COURSES

Complete the following two courses with corresponding labs:

ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH
ENVR 2310	Earth Materials	4 SH
with ENVR 2311	Lab for ENVR 2310	1 SH

ENVIRONMENTAL GEOLOGY ELECTIVES

Complete three of the following courses, with corresponding labs, as indicated:

ENVR 3000	Igneous Petrology and Volcanology	4 SH
with ENVR 3001	Lab for ENVR 3000	1 SH
ENVR 3302	Introduction to Remote Sensing	4 SH
with ENVR 3303	Lab for ENVR 3302	1 SH
ENVR 3400	Field Geology	4 SH
ENVR 3410	Environmental Geochemistry	4 SH
ENVR 3418	Geophysics	4 SH
ENVR 4106	Coastal Processes	4 SH
with ENVR 4107	Lab for ENVR 4106	1 SH
ENVR 5190	Soil Science	4 SH
ENVR 5201	Geologic Field Seminar	4 SH
ENVR 5230	Structural Geology	4 SH
with ENVR 5231	Lab for ENVR 5230	1 SH
ENVR 5240	Sedimentary Basin Analysis	4 SH
with ENVR 5241	Lab for ENVR 5240	1 SH
ENVR 5242	Ancient Marine Life	4 SH
with ENVR 5243	Lab for ENVR 5242	1 SH

ENVR 5244	Sedimentation	4 SH
with ENVR 5245	Lab for ENVR 5244	1 SH
ENVR 5270	Glacial and Quaternary History	4 SH
with ENVR 5271	Lab for ENVR 5270	1 SH
ENVR 5290	Engineering Geology	4 SH

Independent Track

ENVIRONMENTAL SCIENCE COURSES

Complete a suite of at least five courses that have been approved by your advisor.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

ENVIRONMENTAL SCIENCE MAJOR CREDIT REQUIREMENT

Complete 77 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BS in Environmental Geology and Chemistry

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."

BA in Environmental Geology and Environmental Studies

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."

BS in Environmental Geology and Mathematics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."

BS in Environmental Geology and Physics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."

BS in Geology and Chemistry

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."

BS in Geology and Mathematics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Geology and Physics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Biology and Environmental Geology

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Biology and Geology

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Computer Science and Environmental Science

See page 154.

BS in Information Science and Environmental Science

See page 165.

Minor in Environmental Science**COURSE WORK****Introductory Course Work**

Complete one of the following courses or course/lab combinations:

BIOL 1121	Basic Microbiology	4 SH
with BIOL 1122	Lab for BIOL 1121	1 SH
ENVR 1101	Environmental Science	4 SH

Science or Engineering

Complete one of the following courses or course/lab combinations based on your major:

ENGINEERING MAJORS

CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH

OTHER MAJORS

CHEM 2311	Organic Chemistry 1	4 SH
with CHEM 2312	Lab for CHEM 2311	1 SH
CHEM 2321	Analytical Chemistry	4 SH
with CHEM 2322	Lab for CHEM 2321	1 SH
CIVE 2334	Environmental Engineering 1	4 SH

Social Sciences

Complete one of the following courses:

ECON 3423	Environmental Economics	4 SH
PHIL 1180	Environmental Ethics	4 SH
POLS 2395	Environmental Politics	4 SH
SOCL 1246	Environment and Society	4 SH
SOCL 3485	Environment, Technology, and Society	4 SH

ELECTIVES

Complete any two courses or course/lab combinations from the following list. Only one of the courses may be in the 1000–1999 range. Only one course or course/lab combination may be selected from a group:

Physics Group

For nonengineering/nonscience majors only:

PHYS 1132	Energy, Environment, and Society	4 SH
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Biology Group

BIOL 2311	Ecology	4 SH
BIOL 2317	Vertebrate Zoology	4 SH
BIOL 5559	Entomology	4 SH
BIOL 5561	Herpetology	4 SH
BIOL 5563	Ornithology	4 SH
BIOL 5565	Mammalogy	4 SH
BIOL 5567	Wildlife Biology	4 SH

Environmental Planning Group

ENVR 5210	Environmental Planning	4 SH
ENVR 5250	Geology and Land-Use Planning	4 SH

Geology Group

ENVR 2340	Earth Landforms and Processes	4 SH
with ENVR 2341	Lab for ENVR 2340	1 SH
ENVR 4504	Environmental Pollution	4 SH
ENVR 5190	Soil Science	4 SH

Hydrogeology Group

ENVR 4500	Applied Hydrogeology	4 SH
with ENVR 4501	Lab for ENVR 4500	1 SH
ENVR 5280	Groundwater Modeling	4 SH
ENVR 5282	Groundwater Geochemistry	4 SH

Geographic Information Systems Group

ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH

Civil Engineering Group

CIVE 4534	Environmental Engineering 2	3 SH
CIVE 4536	Hydrologic Engineering	4 SH

INTERDISCIPLINARY WORK

Complete the independent project, the applied experience, or the environmental safety program.

Independent Project

See program advisor for approval before embarking on the project.

Applied Experience

See program advisor for details.

Environmental Safety Program

See program advisor for details.

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Environmental Geology**REQUIRED COURSES**

Complete the following four courses, with corresponding labs, as indicated:

ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH
ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH
ENVR 2310	Earth Materials	4 SH
with ENVR 2311	Lab for ENVR 2310	1 SH
ENVR 5210	Environmental Planning	4 SH
or ENVR 5250	Geology and Land-Use Planning	4 SH

GEOLOGY ELECTIVE

Complete one ENVR course.

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Geology**REQUIRED COURSES**

Complete the following four courses with corresponding labs:

ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH
ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH
ENVR 2310	Earth Materials	4 SH
with ENVR 2311	Lab for ENVR 2310	1 SH
ENVR 3000	Igneous Petrology and Volcanology	4 SH
with ENVR 3001	Lab for ENVR 3000	1 SH

GEOLOGY ELECTIVE

Complete one additional ENVR course.

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Marine Studies**REQUIRED COURSES**

Complete four courses from the following lists. Two courses must be above the introductory level:

Humanities

ENVR 2941	Ocean Science and Public Policy	4 SH
ENVR 2942	Maritime History and Culture: The Caribbean	4 SH
ENVR 2943	Marine Environmental History: The Caribbean	4 SH
ENVR 3102	Maritime Studies	3 SH
HIST 1232	History of Boston	4 SH
MARS 3305	Maritime History of New England	4 SH
MARS 3310	Water Resources Policy and Management	4 SH

Sciences

BIOL 1151	Introduction to Marine Biology	4 SH
BIOL 2315	Invertebrate Zoology	4 SH
BIOL 5501	Marine Botany	4 SH
BIOL 5503	Marine Invertebrate Zoology	4 SH
BIOL 5505	Biology of Corals	3 SH
BIOL 5507	Biology and Ecology of Fishes	3 SH
BIOL 5509	Marine Birds and Mammals	2 SH
BIOL 5515	Marine Ecology	4 SH
BIOL 5517	Oceanography	2 SH
BIOL 5519	Ocean and Coastal Processes	2 SH
BIOL 5521	Experimental Design Marine Ecology	4 SH
BIOL 5523	Molecular Marine Biology	3 SH
BIOL 5525	Marine Microbial Ecology	2 SH
BIOL 5589	Diving Research Methods	2 SH
ENVR 1120	Oceans and Coasts	4 SH
ENVR 1121	Marine Resources	4 SH
ENVR 1122	Physical Oceanography	4 SH
ENVR 1123	Biological Oceanography	4 SH
ENVR 1124	New England Fisheries Resources	4 SH
ENVR 3100	Oceanography	3 SH
ENVR 3101	Nautical Science	3 SH
ENVR 3103	Practical Oceanography 1	4 SH
ENVR 3104	Practical Oceanography 2	4 SH
ENVR 3105	Practical Oceanographic Research	3 SH
ENVR 4106	Coastal Processes	4 SH
with ENVR 4107	Lab for ENVR 4106	1 SH
ENVR 5210	Environmental Planning	4 SH
ENVR 5242	Ancient Marine Life	4 SH
with ENVR 5243	Lab for ENVR 5242	1 SH
ENVR 5244	Sedimentation	4 SH
with ENVR 5245	Lab for ENVR 5244	1 SH
ENVR 5248	Marine Geology	4 SH
MARS 3200	Marine Studies	4 SH
MARS 3210	Marine Mammals	4 SH
MARS 3300	The Ocean World	4 SH
MARS 3315	Wetlands: Ecology and Hydrology	4 SH
MARS 3325	Coastal Zone Management	4 SH

MARS 3425	Biology of Fishes	4 SH
MARS 3430	Biology of Whales	4 SH
MARS 4500	Advanced Seminar in Marine Studies	4 SH

MARINE-RELATED SKILL

This requirement may be satisfied by completion of the following course:

ENVR 3101	Nautical Science	3 SH
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or by certification in a skill such as scuba, by a Merchant Marine license, or by a comparable level of achievement determined by a marine studies advisor.

MARINE-RELATED INDEPENDENT STUDY

This requirement may be satisfied by producing a research product on a marine-related topic, either as part of another course or independently. Acceptance of product is at the discretion of the marine studies advisor.

GPA REQUIREMENT

2.000 GPA required in the minor

ENVIRONMENTAL STUDIES

www.ees.neu.edu

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The Bachelor of Arts in Environmental Studies degree is designed to provide a flexible platform for students whose primary interest is in the area of environmental policy. In their first two years, all environmental studies majors complete introductory courses in the sciences (biology, chemistry, geology), as well as introductory- to intermediate-level course work in economics, political science, philosophy, and sociology. Students then work with a faculty advisor to select a cluster composed of intermediate- to upper-level courses in an area appropriate to the student's career objectives. These cluster areas include sustainability, urban environmental issues, water issues, international affairs, public policy, and marine studies. A senior thesis is required in the environmental studies major. (Students who are interested in studying environmental issues from a science-based perspective should read the description of the environmental science major beginning on page 208.)

A number of combined-major programs are offered; these can help focus a student's course choices along avenues that faculty feel are particularly appropriate.

Students in the environmental studies program are prepared to work in environmental planning, regulation, policy, or compliance. These broad-based programs also aim to prepare students to go into environmental education or law. Co-op experiences in environmental planning may include government internships or work in environmental compliance offices.

Transferring to the Major

Same as college standards. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

Same as college standards.

Environmental Studies Minor

The minor in environmental studies is designed to provide a flexible platform for students interested in the environment. Students in the environmental studies minor have an opportunity to develop skills and knowledge in such areas as planning, regulation, policy, and compliance, depending on the upper-level course choices they make.

BA in Environmental Studies**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

ENVIRONMENTAL STUDIES MAJOR REQUIREMENTS**Science Courses**

Complete the following three courses, with corresponding lab, where indicated:

BIOL 1145	Environment and Humankind	4 SH
CHEM 1101	General Chemistry for Health Sciences	4 SH
with CHEM 1102	Lab for CHEM 1101	1 SH
ENVR 1101	Environmental Science	4 SH

Ethics Course

Complete the following course:

PHIL 1180	Environmental Ethics	4 SH
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Economics Course

Complete the following course:

ECON 1116	Principles of Microeconomics	4 SH
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Sociology Course

Complete the following course:

SOCL 1246	Environment and Society	4 SH
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Political Science Courses

Complete the following two courses:

POLS 1150	American Government	4 SH
POLS 2395	Environmental Politics	4 SH

Geology Courses

Complete the following two courses:

ENVR 1112	Environmental Geology	4 SH
ENVR 5210	Environmental Planning	4 SH

Statistics Course

Complete one course from the following list:

ECON 2350	Statistics	4 SH
MATH 2280	Statistics and Software	4 SH
POLS 2400	Quantitative Techniques	4 SH
SOCL 2320	Statistical Analysis in Sociology	4 SH

Senior Thesis

Complete the following course:

ENVR 4997	Senior Thesis	4 SH
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ENVIRONMENTAL STUDIES CLUSTER

Complete one of the following clusters:

International Cluster

Complete six courses from the following list:

HIST 2222	History of Science and Technology	4 SH
HIST 2320	Wealth and Poverty	4 SH
HIST 3412	Global Environmental History	4 SH
HIST 4620	Topics in Historical Geography	4 SH
PHIL 3480	Environmental Philosophy	4 SH
POLS 2395	Environmental Politics	4 SH
SOCL 3485	Environment, Technology, and Society	4 SH
SOCL 4522	Political Ecology and Environmental Justice	4 SH
URBS 2357	Growth and Decline of Cities and Suburbs	4 SH
or POLS 2357	Growth and Decline of Cities and Suburbs	4 SH

Marine Cluster

Complete six courses from the following list:

ENVR 2940	Oceans in the Global Carbon Cycle	4 SH
ENVR 2941	Ocean Science and Public Policy	4 SH
ENVR 2942	Maritime History and Culture: The Caribbean	4 SH
ENVR 2943	Marine Environmental History: The Caribbean	4 SH
ENVR 3100	Oceanography	3 SH
ENVR 3101	Nautical Science	3 SH
ENVR 3102	Maritime Studies	3 SH
ENVR 3103	Practical Oceanography 1	4 SH
ENVR 3104	Practical Oceanography 2	4 SH
ENVR 4106	Coastal Processes	4 SH
ENVR 4505	Wetlands	4 SH
ENVR 5244	Sedimentation	4 SH
ENVR 5248	Marine Geology	4 SH
MARS 3200	Marine Studies	4 SH
MARS 3210	Marine Mammals	4 SH
MARS 3300	The Ocean World	4 SH
MARS 3305	Maritime History of New England	4 SH

MARS 3310	Water Resources Policy and Management	4 SH
MARS 3325	Coastal Zone Management	4 SH
MARS 3425	Biology of Fishes	4 SH
MARS 3430	Biology of Whales	4 SH
MARS 4500	Advanced Seminar in Marine Studies	4 SH

Policy Cluster

Complete six courses from the following list:

ENVR 4515	Sustainable Development	4 SH
ENVR 5280	Groundwater Modeling	4 SH
ENVR 5282	Groundwater Geochemistry	4 SH
HIST 4620	Topics in Historical Geography	4 SH
HIST 5295	Population in History	4 SH
LPSC 2301	Introduction to Law, Policy, and Society	4 SH
POLS 2395	Environmental Politics	4 SH
SOCL 4522	Political Ecology and Environmental Justice	4 SH

Sustainability Cluster

Complete six courses from the following list:

ENVR 4505	Wetlands	4 SH
or MARS 3315	Wetlands: Ecology and Hydrology	4 SH
ENVR 4515	Sustainable Development	4 SH
HIST 2222	History of Science and Technology	4 SH
HIST 2321	Technological Transformations	4 SH
HIST 3412	Global Environmental History	4 SH
HIST 4620	Topics in Historical Geography	4 SH
HIST 5295	Population in History	4 SH
HONR 3342	Topics in Contemporary Issues: Focus on Analysis	4 SH
MARS 3310	Water Resources Policy and Management	4 SH

Urban Cluster

Complete six courses from the following list:

ECON 3415	Poverty and Income	4 SH
ECON 3420	Urban Economic Issues	4 SH
ECON 3422	Economics of Transportation	4 SH
ECON 3423	Environmental Economics	4 SH
ENVR 4515	Sustainable Development	4 SH
HIST 2222	History of Science and Technology	4 SH
HIST 2320	Wealth and Poverty	4 SH
HIST 2321	Technological Transformations	4 SH
HIST 4620	Topics in Historical Geography	4 SH
HIST 5295	Population in History	4 SH
PHIL 3480	Environmental Philosophy	4 SH
SOCL 1247	Urban Social Problems	4 SH
SOCL 3485	Environment, Technology, and Society	4 SH
SOCL 4522	Political Ecology and Environmental Justice	4 SH
URBS 2357	Growth and Decline of Cities and Suburbs	4 SH

Water Cluster

Complete six courses from the following list, with corresponding lab, if applicable:

ENVR 4500	Applied Hydrogeology	4 SH
with ENVR 4501	Lab for ENVR 4500	1 SH
ENVR 4505	Wetlands	4 SH
or MARS 3300	The Ocean World	4 SH
ENVR 4515	Sustainable Development	4 SH
MARS 3310	Water Resources Policy and Management	4 SH
MARS 3315	Wetlands: Ecology and Hydrology	4 SH
MARS 3325	Coastal Zone Management	4 SH

Interdisciplinary Cluster

Create a plan of six courses under the guidance of the program director.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

ENVIRONMENTAL STUDIES MAJOR CREDIT REQUIREMENT

Complete 73 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BS in Environmental Studies and Economics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

INTRODUCTION TO COLLEGE

Complete one of the following courses:

ECON 1000	Economics at Northeastern	1 SH
ENVR 1000	Earth and Environmental Sciences at Northeastern	1 SH

ECONOMICS REQUIREMENTS**Economics Prerequisites**

Complete the following two courses:

CS 1100	Computer Science and Its Applications	4 SH
MATH 1231	Calculus for Business and Economics	4 SH

Required Economics Courses

Complete the following seven courses with a minimum GPA of 2.000:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH

ECON 2315	Macroeconomic Theory	4 SH
ECON 2316	Microeconomic Theory	4 SH
ECON 2350	Statistics	4 SH
ECON 3423	Environmental Economics	4 SH
ECON 3560	Applied Econometrics	4 SH

Economics Electives

Complete two economics electives from the following list. No more than one course may be at the introductory level (course number 1000–1999):

ECON 1290	History of the Global Economy	4 SH
ECON 1291	Development Economics	4 SH
ECON 3404	International Food Economics and Policy	4 SH
ECON 3420	Urban Economic Issues	4 SH
ECON 3422	Economics of Transportation	4 SH
ECON 3424	Law and Economics	4 SH
ECON 3440	Public Finance	4 SH
ECON 4635	International Economics	4 SH
ECON 4650	Economic Growth and Applications	4 SH

ENVIRONMENTAL STUDIES REQUIREMENTS**Social Science Component**

Complete the following four courses:

PHIL 1180	Environmental Ethics	4 SH
or PHIL 3480	Environmental Philosophy	4 SH
POLS 1150	American Government	4 SH
POLS 2395	Environmental Politics	4 SH
SOCL 1246	Environment and Society	4 SH

Science Component

Complete the following four courses with corresponding lab, as indicated:

BIOL 1145	Environment and Humankind	4 SH
ENVR 1101	Environmental Science	4 SH
ENVR 1112	Environmental Geology	4 SH
or ENVR 1200	Dynamic Earth	4 SH
ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH

GPA Requirement

Students are required to earn a GPA of 2.000 in either PHIL 1180 or PHIL 3480 and in ENVR 1101.

Environmental Science Elective

Complete one environmental science elective in consultation with the environmental studies head advisor.

INTEGRATIVE REQUIREMENTS**Advanced Writing in the Disciplines**

Complete one of the following courses:

ENGL 3301	Advanced Writing in the Disciplines	4 SH
ENGL 3308	Advanced Writing in the Social Sciences	4 SH

Integrative Course

Complete one of the following courses. *Note:* Your integrative course and your capstone course (below) must be from different departments:

ECON 4692	Senior Economics Seminar	4 SH
ENVR 5210	Environmental Planning	4 SH
ENVR 5250	Geology and Land-Use Planning	4 SH

Capstone

Complete one of the following courses. *Note:* Your integrative course (above) and your capstone course must be from different departments:

ECON 4692	Senior Economics Seminar	4 SH
ENVR 4997	Senior Thesis	4 SH

EXPERIENTIAL LEARNING REQUIREMENT

You may satisfy the experiential learning requirement with an approved study abroad, with co-op work experience, or with a four-credit directed study or honors project:

ECON 4970	Junior/Senior Honors Project 1	4 SH
ECON 4992	Directed Study	4 SH
ENVR 4970	Junior/Senior Honors Project 1	4 SH
ENVR 4992	Directed Study	4 SH

MAJOR CREDIT REQUIREMENT

Complete 84 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Environmental Studies and History**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

ENVIRONMENTAL STUDIES REQUIREMENTS**Science Requirements**

Complete the following three courses with corresponding lab:

BIOL 1145	Environment and Humankind	4 SH
ENVR 1101	Environmental Science	4 SH
ENVR 1202	History of Earth and Life	4 SH
with ENVR 1203	Interpreting Earth History	1 SH

Humanities Requirement

Complete the following course:

PHIL 1180	Environmental Ethics	4 SH
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Social Science Requirements

Complete the following three courses:

ECON 1116	Principles of Microeconomics	4 SH
POLS 1150	American Government	4 SH
SOCL 1246	Environment and Society	4 SH

Environmental Studies Electives

Complete two courses from the following list:

ECON 3423	Environmental Economics	4 SH
PHIL 3480	Environmental Philosophy	4 SH
POLS 2395	Environmental Politics	4 SH

HISTORY REQUIREMENTS**History Requirements**

Complete the following four courses:

HIST 1130	Introduction to American History	4 SH
HIST 1170	Introduction to European History	4 SH
HIST 1201	The History Colloquium	4 SH
HIST 2342	Environmental History of North America	4 SH

History Seminar

Complete the following two courses:

HIST 2301	The History Seminar	4 SH
HIST 2302	Historical Writing	1 SH

History-Geographic Area Electives

Complete two courses from the following list:

ASNS 1150	East Asian Studies	4 SH
HIST 1180	African History	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH
HIST 1251	Modern East Asia	4 SH
HIST 1254	Mao's China and After	4 SH
HIST 1260	Modern Latin America	4 SH
HIST 1261	The Modern Caribbean	4 SH
HIST 1265	Canadian History	4 SH
HIST 2210	Atlantic Connection	4 SH

History-Area Electives

Complete four HIST courses, approved by a faculty advisor, focused on an idea or geographic area. These courses must be numbered 2000 or higher.

INTEGRATIVE COURSES**Required Integrative Course**

Complete the following course with corresponding lab:

ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH

Integrated Elective

Complete one course from the following list:

ENVR 5210	Environmental Planning	4 SH
ENVR 5250	Geology and Land-Use Planning	4 SH
HIST 2222	History of Science and Technology	4 SH

EXPERIENTIAL LEARNING AND CAPSTONE**Experiential Learning**

Complete an approved activity from either department, combined with reflection in capstone.

Capstone Course

Complete one of the following courses:

ENVR 4900	Earth and Environmental Science Capstone	1 SH
ENVR 4970	Junior/Senior Honors Project 1	4 SH
ENVR 4997	Senior Thesis	4 SH
HIST 4701	Capstone Seminar	4 SH

**ENVIRONMENTAL STUDIES AND HISTORY
COMBINED-MAJOR CREDIT REQUIREMENT**

Complete 91 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in Environmental Studies and International Affairs**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

ENVIRONMENTAL STUDIES REQUIREMENTS**Social Science Component**

Complete one course from each of the following three subject areas:

PHILOSOPHY

PHIL 1180	Environmental Ethics	4 SH
PHIL 3480	Environmental Philosophy	4 SH

SOCIOLOGY

SOCL 1246	Environment and Society	4 SH
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POLITICAL SCIENCE

POLS 2395	Environmental Politics	4 SH
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Science Component

Complete one course from each of the following five subject areas with corresponding lab, if applicable:

BIOLOGY

BIOL 1145	Environment and Humankind	4 SH
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EARTH AND ENVIRONMENTAL SCIENCES

ENVR 1104	Natural Disasters and Catastrophes	4 SH
ENVR 1112	Environmental Geology	4 SH
ENVR 1200	Dynamic Earth	4 SH

ENVIRONMENT

ENVR 1101	Environmental Science	4 SH
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QUANTITATIVE METHODS

ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH
MATH 2280	Statistics and Software	4 SH

PLANNING

ENVR 5210	Environmental Planning	4 SH
ENVR 5250	Geology and Land-Use Planning	4 SH

INTERNATIONAL AFFAIRS REQUIREMENTS**Required Courses**

Complete the following three courses:

INTL 1101	Globalization and International Affairs	4 SH
INTL 3400	International Conflict and Negotiation	4 SH
POLS 1160	International Relations	4 SH

Regional Analysis

Complete two regional analysis courses, both of which must be in one region, from the following lists. Summer-session study abroad are acceptable in combination with "Dialogue of Civilizations." See department for additional courses.

AFRICA

AFRS 1128	The African Experience through Music	4 SH
AFRS 1180	African History	4 SH
or HIST 1180	African History	4 SH
AFRS 2307	Africa Today	4 SH
AFRS 2348	Arts and Culture of Africa	4 SH
AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
or HIST 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH
AFRS 3428	African Languages	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
or POLS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
AFRS 3470	Identity and Nationalism in Africa	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
AFRS 4690	Topics in African History	4 SH
or HIST 4690	Topics in African History	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ENTR 3306	Global Entrepreneurship	4 SH
ENTR 3308	Business Economic History of South Africa	4 SH
HIST 2397	Africa in the Twentieth Century	4 SH
LING 3428	African Languages	4 SH
MUSC 1128	Music of Africa	4 SH
POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH

ASIA			CLTR 2504	Modern German Film and Literature	4 SH
ANTH 4515	Anthropology of South Asia	4 SH	ECON 1293	European Economic History	4 SH
ASNS 1150	East Asian Studies	4 SH	HIST 1170	Introduction to European History	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH	HIST 1270	Ancient Greece	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH	HIST 1271	Ancient Rome	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH	HIST 1272	The Invention of Europe 500–1500	4 SH
CLTR 1260	Japanese Film	4 SH	HIST 1273	Belief in Magic and Science in Europe	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH	HIST 1281	Holocaust	4 SH
CLTR 1506	Introduction to Chinese Popular Culture	4 SH	HIST 1294	Strangers in a Strange Land? European Jewish History 1750–1945	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH	HIST 2314	From Europe to Globalization	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH	HIST 2370	Renaissance to Enlightenment	4 SH
HIST 1189	Introduction to South Asian History	4 SH	HIST 2371	Europe 1870–1921	4 SH
HIST 1250	Emergence of East Asia	4 SH	HIST 2372	Gender and Society in Modern Europe	4 SH
HIST 1251	Modern East Asia	4 SH	HIST 2375	Culture and Identity in Early Modern England	4 SH
HIST 1253	History of Vietnam Wars	4 SH	HIST 2376	The British Empire	4 SH
HIST 1254	Mao's China and After	4 SH	HIST 2377	Ireland and the Irish Migration	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH	HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH	HIST 3475	The Culture of Europe	4 SH
HIST 2347	The CIA in Asia	4 SH	HIST 3485	Vienna, Prague, Budapest	4 SH
HIST 2350	Modern China	4 SH	HIST 4670	Topics in European History	4 SH
HIST 2351	Global Japan	4 SH	HIST 4682	Topics in East European History	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH	HIST 4946	Independent Field Research Abroad: Central Europe	4 SH
HIST 3452	Global Chinese Migration	4 SH	INTB 4602	European Union and Globalization	4 SH
HIST 4650	Topics in Asian History	4 SH	LITR 1250	Dante's Inferno and Medieval Italian Culture	4 SH
MUSC 1130	Music of Asia	4 SH	LITR 3502	Cervantes and His Times	4 SH
POLS 3480	Government and Politics in Japan	4 SH	LITR 4550	From Knights to Revolution: French Literature 1	4 SH
POLS 3485	Government and Politics in China	4 SH	LITR 4551	From Reverie to Reality: French Literature 2	4 SH
RELS 1231	Image and Icon in South Asia	4 SH	LITR 4555	French Poetry	4 SH
RELS 1273	Jainism	4 SH	LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
RELS 1275	Eastern Religions	4 SH	LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
RELS 1276	Indian Religions	4 SH	LITR 4565	Spanish Golden Age	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH	LITR 4850	The Splendid Century	4 SH
RELS 2394	Chinese Buddhism	4 SH	LITR 4860	Age of Enlightenment	4 SH
RELS 2395	Japanese Buddhism	4 SH	LITR 4870	Romantic Heritage	4 SH
RELS 3395	Ramayana	4 SH	MUSC 1124	Music of the Romantic Era	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH	POLS 3435	Politics in Western Europe	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH	POLS 3440	Politics in Northern Ireland	4 SH
EUROPE			POLS 3445	Politics in Central and Eastern Europe	4 SH
ARTH 1111	Art + Design History since 1400	4 SH	POLS 4917	Model European Union	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH	SOCL 4535	European Union: Social and Political	4 SH
CLTR 1280	French Film and Culture	4 SH	THTR 2300	Theatre History	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH			
CLTR 1501	Introduction to French Culture	4 SH			
CLTR 1503	Introduction to Italian Culture	4 SH			
CLTR 1504	Introduction to Spanish Culture	4 SH			
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH			

LATIN AMERICA			HIST 4944	Middle Eastern History and Culture	4 SH
AFAM 2301	Foundations of Black Culture 2	4 SH		Independent Field Research Abroad	
AFAM 2345	The Black Experience in the Caribbean	4 SH	INTL 1160	Middle East Studies	4 SH
AFAM 4507	Afro-Cuban Culture—International Study	4 SH	INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH
AFAM 4710	Field and Lab Methods for Researching Afro-Caribbean Music	4 SH	JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH
AFAM 4939	Afro-Caribbean Music Research	4 SH	LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH
ANTH 4500	Latin American Society and Development	4 SH	MEST 2100	Modern Israel	4 SH
CLTR 1240	Latin American Film	4 SH	MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH
CLTR 1505	Introduction to Latin American Culture	4 SH	MUSC 1129	Music of the Middle East	4 SH
CLTR 4507	Afro-Cuban Culture—International Study	4 SH	POLS 3465	Government and Politics in the Middle East	4 SH
CLTR 4508	Cuban History through Film—International Study	4 SH	POLS 3470	Arab-Israeli Conflict	4 SH
ENTR 3316	Microfinance and Economic Development in Latin America	4 SH	POLS 4915	Model Arab League	4 SH
ENTR 3318	Business, Economics, and History of Hispaniola and Latin America	4 SH	RELS 1280	Islam	4 SH
ENVR 2942	Maritime History and Culture: The Caribbean	4 SH	RELS 1285	Jewish Religion and Culture	4 SH
ENVR 2943	Marine Environmental History: The Caribbean	4 SH	WMNS 2500	Women and Social Change in the Middle East	4 SH
HIST 1187	Introduction to Latin American History	4 SH	RUSSIA		
HIST 1260	Modern Latin America	4 SH	HIST 1285	Introduction to Russian Civilization	4 SH
HIST 1261	The Modern Caribbean	4 SH	HIST 1286	History of the Soviet Union	4 SH
HIST 4660	Topics in Latin American History	4 SH	HIST 2313	Gender and Revolution in Russia and China	4 SH
LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH	HIST 2386	History of Soviet Cinema	4 SH
LITR 1260	Caribbean Literature and Culture	4 SH	HIST 2387	Soviet Secret Police	4 SH
LITR 4655	Latin American Literature	4 SH	HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
MUSC 1131	Music of Latin America and the Caribbean	4 SH	HIST 3486	Commissars and Managers: Soviet Economic History	4 SH
POLS 3475	Government and Politics in Latin America	4 SH	HIST 4680	Topics in Russian History	4 SH
MIDDLE EAST			HIST 4681	Topics in Soviet History	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH	LITR 3503	Russian Literature in Translation	4 SH
CLTR 1502	Introduction to Arabic Culture	4 SH	POLS 3450	Government and Politics in Russia	4 SH
ECON 1292	Economic History of the Middle East	4 SH	POLS 3455	Russian Foreign Policy	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH	SOCL 1215	Society and Culture in Russia	4 SH
HIST 1290	Modern Middle East	4 SH	Global Dynamics		
HIST 1291	The Ottoman Empire (1300–1920)	4 SH	Complete three global dynamics courses from the following list.		
HIST 1292	Jerusalem: Narratives and Visions	4 SH	See department for additional courses. <i>Note:</i> No course used to fulfill major requirements may be used to satisfy the global dynamics requirement:		
HIST 2393	Islam and Empires	4 SH	AFAM 1109	Foundations of Black Culture 1	4 SH
HIST 2394	Islamic Nationalism	4 SH	AFAM 3441	Third World Political Relations	4 SH
HIST 2395	Middle East in the Twentieth Century	4 SH	AFAM 4639	Globalism, Racism, and Human Rights	4 SH
HIST 2396	The Middle East and Modernity	4 SH	AFRS 1185	Gender in the African Diaspora	4 SH
HIST 4691	Topics in Middle Eastern History	4 SH	AFRS 3310	Applied Research in the African Diaspora	4 SH
			AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH

AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH	INTL 3460	Transnational Activism in Global Civil Society	4 SH
AFRS 4500 or ARTH 4500	Arts of the African Diaspora	4 SH	INTL 4940	Global Corps Practicum	4 SH
AFRS 4585	Current Issues in the African Diaspora	4 SH	INTL 4945	Dialogue of Civilizations: Global Issues in Comparative Perspective	4 SH
ANTH 1101	Peoples and Cultures	4 SH	LING 3412	Language and Culture	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH	LITR 3500	International Perspectives	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH	LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH
ANTH 2315	Religion and Modernity	4 SH	MUSC 1127	Introduction to World Music	4 SH
ANTH 2330	Environmental Anthropology	4 SH	MUSC 3470	War and Music	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH	PHIL 1130	Ethics: East and West	4 SH
ANTH 3450	Globalization: Theory and Practice	4 SH	PHIL 2327	Medieval Western Philosophy	4 SH
ARCH 1310	History of World Architecture 1	4 SH	PHIL 5001	Global Justice	4 SH
ARCH 1320	History of World Architecture 2	4 SH	POLS 1155	Comparative Politics	4 SH
CINE 2340	Marxism, Film, and Revolution	4 SH	POLS 2370	Religion and Politics	4 SH
COMM 2303	Global and Intercultural Communication	4 SH	POLS 3405	International Political Economy	4 SH
COMM 2325	Global Media	4 SH	POLS 3407	International Organizations	4 SH
ECON 1290	History of the Global Economy	4 SH	POLS 3408	International Security	4 SH
ECON 3404	International Food Economics and Policy	4 SH	POLS 3415	Ethnic Conflict in Comparative Politics	4 SH
ECON 4635	International Economics	4 SH	POLS 3420	National Security, War, and Terrorism	4 SH
ENGL 4683	Postcolonial Literature	4 SH	POLS 3441	Third World Political Relations	4 SH
ENTR 2219	Business, Global Poverty, and the Microfinance Revolution	4 SH	POLS 3487	Politics of Developing Nations	4 SH
HIST 1110	Introduction to World History	4 SH	POLS 4510	International Law	4 SH
HIST 1202	Global Inequity	4 SH	POLS 4515	Democracy in Comparative Politics	4 SH
HIST 1204	Third World Women	4 SH	POLS 4530	Revolution, Civil War, and Insurrection	4 SH
HIST 1205	The Global Economy	4 SH	POLS 4580	Special Topics: Comparative Politics and International Relations	4 SH
HIST 1216	Mediterranean World since 1500	4 SH	POLS 4605	Seminar in Comparative Politics	4 SH
HIST 2211	World History since 1945	4 SH	POLS 4610	Seminar in International Relations	4 SH
HIST 2310	Spread of Buddhism	4 SH	POLS 4910	Model United Nations	4 SH
HIST 2311	Colonialism/Imperialism	4 SH	POLS 4938	International Politics—Learning Abroad	4 SH
HIST 2312	Global Migration and the Modern World	4 SH	RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
HIST 2315	Approaches to World History	4 SH	RELS 1272	Ethics in the World's Religions	4 SH
HIST 2320	Wealth and Poverty	4 SH	RELS 2313	Modern Jewish Diaspora	4 SH
HIST 2392	African Diaspora	4 SH	SOCL 1246	Environment and Society	4 SH
HIST 2398	Radicals, Terrorists, and Insurgents	4 SH	SOCL 1268	Social Movements	4 SH
HIST 3411	Environment in the Age of Discovery	4 SH	SOCL 2288	The Sociology of Globalization	4 SH
HIST 3412	Global Environmental History	4 SH	SOCL 3471	Social Conflict and Community Services Abroad	4 SH
HIST 3445	Global Economic History	4 SH	SOCL 3480	Comparative Political Economy	4 SH
HIST 3452	Global Chinese Migration	4 SH	SOCL 4522	Political Ecology and Environmental Justice	4 SH
HIST 4610	Topics in World History	4 SH			
HUSV 4920	International Human Services	4 SH			
INTB 1201	Global Environment of International Business	4 SH			
INTB 1203	International Business and Global Social Responsibility	4 SH			
INTB 1209	International Business and Global Social Responsibility	4 SH			
INTB 3310	Cultural Aspects of International Business	4 SH			
INTL 3400	International Conflict and Negotiation	4 SH			

International Experiential Learning

Complete at least one “international semester” via study abroad, international internship, international co-op, or two short-term programs.

INTERNATIONAL AFFAIRS FOREIGN LANGUAGE REQUIREMENT

Complete course work in a language through at least intermediate-level two (course number 2102 or 2302). *Note:* Completing this requirement satisfies the language requirement for the BA degree.

INTEGRATIVE COURSES

Complete four courses from the following list:

ECON 3423	Environmental Economics	4 SH
or ECON 1290	History of the Global Economy	4 SH
ENVR 4515	Sustainable Development	4 SH
HIST 2211	World History since 1945	4 SH
INTL 4700	Senior Capstone Seminar in International Affairs	4 SH

ENVIRONMENTAL STUDIES AND INTERNATIONAL AFFAIRS COMBINED-MAJOR CREDIT REQUIREMENT

Complete 88 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Environmental Studies and Philosophy**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

ENVIRONMENTAL STUDIES REQUIREMENTS***Social Science Component***

Complete the following four courses: *Note:* ECON 1116 is a recommended prerequisite for ECON 3423, and POLS 1150 is a recommended prerequisite for POLS 2395:

ECON 3423	Environmental Economics	4 SH
HIST 2342	Environmental History of North America	4 SH
POLS 2395	Environmental Politics	4 SH
SOCL 1246	Environment and Society	4 SH

Science Component**BIOLOGY**

Complete the following course:

BIOL 1145	Environment and Humankind	4 SH
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EARTH AND ENVIRONMENTAL SCIENCES

Complete one course from the following list:

ENVR 1104	Natural Disasters and Catastrophes	4 SH
ENVR 1112	Environmental Geology	4 SH
ENVR 1200	Dynamic Earth	4 SH

ENVIRONMENT

Complete the following course:

ENVR 1101	Environmental Science	4 SH
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QUANTITATIVE METHODS

Complete one course from the following list, with corresponding lab, if indicated:

ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH
MATH 2280	Statistics and Software	4 SH

PHILOSOPHY REQUIREMENTS***Philosophy Required Courses***

Complete the following four courses:

PHIL 1115	Introduction to Logic	4 SH
or PHIL 1215	Symbolic Logic	4 SH
PHIL 1180	Environmental Ethics	4 SH
PHIL 2325	Ancient Philosophy	4 SH
PHIL 2330	Modern Philosophy	4 SH

Philosophy of Science/Environment

Complete one of the following courses:

PHIL 3480	Environmental Philosophy	4 SH
PHIL 4510	Philosophy of Science	4 SH

Advanced Philosophy Elective

Complete one course from the following list:

PHIL 3435	Moral Philosophy	4 SH
PHIL 4500	Theory of Knowledge	4 SH
PHIL 4505	Metaphysics	4 SH
PHIL 4535	Philosophy of Mind	4 SH

Philosophy Seminar

Complete one philosophy seminar:

PHIL 4901	Topics in Philosophy Seminar	4 SH
PHIL 4902	Great Philosophers Seminar	4 SH

Additional Electives

Complete two additional electives in philosophy.

INTEGRATIVE COURSES

Complete the following two courses:

ENVR 5210	Environmental Planning	4 SH
ENVR 5250	Geology and Land-Use Planning	4 SH

ENVIRONMENTAL STUDIES AND PHILOSOPHY COMBINED-MAJOR CREDIT REQUIREMENT

Complete 100 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in Environmental Studies and Political Science**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

ENVIRONMENTAL STUDIES REQUIREMENTS***Social Science Component*****ECONOMICS**

Complete the following two courses:

ECON 1116	Principles of Microeconomics	4 SH
ECON 3423	Environmental Economics	4 SH

PHILOSOPHY

Complete one course from the following list:

PHIL 1180	Environmental Ethics	4 SH
PHIL 3480	Environmental Philosophy	4 SH

SOCIOLOGY

Complete the following course:

SOCL 1246	Environment and Society	4 SH
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Science Component

Complete one course in each of the following four subject areas:

BIOLOGY

BIOL 1145	Environment and Humankind	4 SH
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EARTH AND ENVIRONMENTAL SCIENCES

ENVR 1104	Natural Disasters and Catastrophes	4 SH
ENVR 1112	Environmental Geology	4 SH
ENVR 1200	Dynamic Earth	4 SH

ENVIRONMENT

ENVR 1101	Environmental Science	4 SH
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QUANTITATIVE METHODS

ENVR 3300	Geographic Information Systems	4 SH
with ENVR 3301	Lab for ENVR 3300	1 SH
MATH 2280	Statistics and Software	4 SH

POLITICAL SCIENCE MAJOR REQUIREMENTS***Political Science Requirements***

Complete the following five courses:

POLS 1150	American Government	4 SH
POLS 1155	Comparative Politics	4 SH
POLS 1160	International Relations	4 SH
POLS 2395	Environmental Politics	4 SH
POLS 2400	Quantitative Techniques	4 SH

Political Theory

Complete one course from the following list:

POLS 2326	Premodern Political Thought	4 SH
POLS 2328	Modern Political Thought	4 SH
POLS 2330	American Political Thought	4 SH
POLS 2332	Contemporary Political Thought	4 SH

Political Science Restricted Electives

Complete two courses from the following list:

POLS 2334	Bureaucracy and Government Organizations	4 SH
POLS 2390	Science, Technology, and Public Policy	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3315	Interest Groups and Public Policy	4 SH
POLS 3407	International Organizations	4 SH
POLS 3487	Politics of Developing Nations	4 SH

Political Science Elective

Complete one additional political science course.

INTEGRATIVE COURSES

Complete the following two courses:

ENVR 5210	Environmental Planning	4 SH
ENVR 5250	Geology and Land-Use Planning	4 SH

ENVIRONMENTAL STUDIES AND POLITICAL SCIENCE COMBINED-MAJOR CREDIT REQUIREMENT

Complete 76 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in Environmental Geology and Environmental Studies

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."

Minor in Environmental Studies

REQUIRED COURSE

Complete the following course:

ENVR 1101	Environmental Science	4 SH
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SCIENCE COURSE

Complete one course from the following list, with corresponding lab, if indicated:

BIOL 1145	Environment and Humankind	4 SH
CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
ENVR 1112	Environmental Geology	4 SH
ENVR 1200	Dynamic Earth	4 SH
with ENVR 1201	Lab for ENVR 1200	1 SH

SOCIAL SCIENCE COURSES

Complete two courses from the following list:

ECON 1116	Principles of Microeconomics	4 SH
PHIL 1180	Environmental Ethics	4 SH
POLS 1150	American Government	4 SH
SOCL 1246	Environment and Society	4 SH

INTERDISCIPLINARY COURSES

Complete two courses from the following list:

ENVR 4504	Environmental Pollution	4 SH
ENVR 5210	Environmental Planning	4 SH
ENVR 5250	Geology and Land-Use Planning	4 SH
POLS 2395	Environmental Politics	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

LINGUISTICS

JANET H. RANDALL, PHD

Associate Professor, English, and Director, Linguistics Program

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Linguistics is the scientific study of human language. A growing and exciting field, it has links to diverse fields including cognitive psychology, philosophy, neuroscience, computer science, artificial intelligence, sociology, language teaching, anthropology, and education. Linguistics is a key component of the emerging field of cognitive science, the study of the structure and functioning of human cognitive processes.

How do children learn to speak? How is language represented in the mind? What do all languages, including sign languages, have in common? How is language different from the communication systems used by whales, bees, and chimpanzees? What linguistic information do computers need in order for us to converse with them? What are the neurological tie-ins of language disorders such as aphasia or Williams Syndrome and what can such impairments tell us about the brain mechanisms for language? These scientific and technological questions lead us to ask other questions about language and society: How might we think about linguistic controversies, including debates about official languages, Ebonics, gender bias, and bilingualism in education? Linguistics attempts to answer each of these questions and covers a surprisingly broad range of topics related to language and communication. Cutting-edge work in cognitive science investigates how natural languages are learned and processed. Grammar checkers and translation programs use language parsers; search engines, browsers, and editors apply the results of linguistic theory and computational linguistics. Linguistics is behind every application that recognizes or synthesizes speech. To work in a field that involves language in any way, you'll need to know how language works, the stuff of linguistics.

Linguistics is an interdisciplinary program at Northeastern, offering courses in the core areas of syntax, phonology, semantics, and morphology; in psycholinguistics (offered by the Department of Psychology); in sociolinguistics; in the structure of many languages, including French, Spanish, African languages, Romance languages, American Sign Language, and African-American English; and in areas that cross into the humanities and social sciences.

Students can pursue a major in linguistics as well as two combined majors, one in linguistics and psychology, the other in linguistics and English. A linguistics minor is also available.

Linguistics offers a variety of co-ops, including positions at local companies involved in speech recognition and production, as well as at Northeastern's own speech perception and language processing labs. Linguistics majors can also participate in a special foreign internship opportunity, doing research at the Max Planck Institute for Psycholinguistics in the Netherlands.

Students with backgrounds in linguistics have pursued advanced degrees in fields including law, cognitive science, education, English, interpreting, business, speech pathology, computer science, developmental psychology, and linguistics itself. Other graduates have gone on to work in neurological research, computational linguistics, translation, language software, education, dictionary publishing, and robotics.

Transferring to the Major

Same as college standards. Acceptance into the major is based on students' meeting the linguistics program's criteria for admission and availability of space in the program.

Academic Progression Standards

Same as college standards.

BA in Linguistics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

LINGUISTICS MAJOR REQUIREMENTS**Required Courses**

Complete the following six courses:

LING 1150	Introduction to Language and Linguistics	4 SH
LING 2350	Linguistic Analysis	4 SH
LING 3412	Language and Culture	4 SH
LING 3422	Phonology	4 SH
LING 3450	Syntax	4 SH
PSYC 3464	Psychology of Language	4 SH

Laboratory

Complete the two required prerequisites and then one of the two laboratory courses or a directed study on a topic related to psycholinguistics or cognition with prior approval:

PREREQUISITES

PSYC 1101	Foundations of Psychology	4 SH
PSYC 2320	Statistics in Psychological Research	4 SH

LABORATORY/DIRECTED STUDY

LING 4992	Directed Study	4 SH
PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH

Experiential Learning

Complete the following course, or complete a study abroad:

LING 4996	Experiential Education Directed Study	4 SH
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Linguistics Seminar

Complete one seminar from the following list:

LING 4654	Seminar in Linguistics	4 SH
PSYC 4658	Seminar in Psycholinguistics	4 SH

Linguistics Electives

Complete three courses not already taken above from the following list:

DEAF 2700	ASL Linguistics	4 SH
LANG 3438	Structure of French	4 SH
LING 3402	African-American English	4 SH
LING 3428	African Languages	4 SH
LING 3430	Applied Linguistics	4 SH
LING 3432	Romance Linguistics	4 SH
LING 3434	Bilingualism	4 SH
LING 3436	Structure of Spanish	4 SH
LING 3442	Sociolinguistics	4 SH
LING 3444	Linguistics in Education	4 SH
LING 3448	Issues in Linguistics	4 SH
LING 3452	Semantics	4 SH
LING 3454	History of English	4 SH
LING 3456	Language and Gender	4 SH
LING 3458	Topics in Linguistics	4 SH

LING 4654	Seminar in Linguistics	4 SH
LING 4992	Directed Study	4 SH
PHIL 1215	Symbolic Logic	4 SH
PHIL 4540	Philosophy of Language	4 SH
PSYC 3466	Cognition	4 SH
PSYC 4520	Language and the Brain	4 SH
PSYC 4522	Psychology of Reading	4 SH
PSYC 4524	Cognitive Development	4 SH
PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4658	Seminar in Psycholinguistics	4 SH
PSYC 4660	Seminar in Cognition	4 SH

LINGUISTICS MAJOR CREDIT REQUIREMENT

Complete 56 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Linguistics and English**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

LINGUISTICS REQUIREMENTS**Introductory Linguistics**

Complete the following course:

LING 1150	Introduction to Language and Linguistics	4 SH
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Intermediate/Advanced Linguistics

Complete the following four courses:

LING 2350	Linguistic Analysis	4 SH
LING 3412	Language and Culture	4 SH
LING 3422	Phonology	4 SH
LING 3450	Syntax	4 SH

Linguistics Electives

Complete three courses not already taken above from the following list:

DEAF 2700	ASL Linguistics	4 SH
LANG 3438	Structure of French	4 SH
LING 3402	African-American English	4 SH
LING 3428	African Languages	4 SH
LING 3430	Applied Linguistics	4 SH
LING 3432	Romance Linguistics	4 SH
LING 3434	Bilingualism	4 SH
LING 3436	Structure of Spanish	4 SH

LING 3442	Sociolinguistics	4 SH
LING 3444	Linguistics in Education	4 SH
LING 3448	Issues in Linguistics	4 SH
LING 3452	Semantics	4 SH
LING 3456	Language and Gender	4 SH
LING 3458	Topics in Linguistics	4 SH
LING 4654	Seminar in Linguistics	4 SH
LING 4992	Directed Study	4 SH
PHIL 1215	Symbolic Logic	4 SH
PHIL 4540	Philosophy of Language	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH
PSYC 4520	Language and the Brain	4 SH
PSYC 4522	Psychology of Reading	4 SH
PSYC 4524	Cognitive Development	4 SH
PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4658	Seminar in Psycholinguistics	4 SH
PSYC 4660	Seminar in Cognition	4 SH

ENGLISH REQUIREMENTS

Literature Backgrounds

Complete the following course:

ENGL 2100	Backgrounds to English and American Literature	4 SH
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Literature Survey Courses

Complete three courses from the following list:

ENGL 1500	Survey of British Literature 1	4 SH
ENGL 1501	Survey of British Literature 2	4 SH
ENGL 1502	Survey of American Literature 1	4 SH
ENGL 1503	Survey of American Literature 2	4 SH

Shakespeare Course

Complete one course from the following list:

ENGL 1600	Introduction to Shakespeare	4 SH
ENGL 3489	Shakespeare on Film	4 SH
ENGL 3612	Shakespeare's Comedies	4 SH
ENGL 3613	Shakespeare's Tragedies	4 SH
ENGL 3614	Topics in Shakespeare	4 SH

Literature before 1800

Complete one course from the following list:

ENGL 4605	Medieval English Literature	4 SH
ENGL 4606	Topics in Medieval Literature	4 SH
ENGL 4609	Topics in Sixteenth-Century British Literature	4 SH
ENGL 4610	Sixteenth-Century British Literature	4 SH
ENGL 4616	Topics in Seventeenth-Century British Literature	4 SH
ENGL 4617	Seventeenth-Century British Literature	4 SH
ENGL 4619	Eighteenth-Century British Literature	4 SH
ENGL 4620	Topics in Eighteenth-Century British Literature	4 SH
ENGL 4661	Early American Literature	4 SH
ENGL 4663	Early African-American Literature	4 SH

Literature after 1800

Complete one course from the following list:

CINE 2394	Modern Film	4 SH
ENGL 3408	The Modern Bestseller	4 SH
ENGL 3671	Multiethnic Literatures of the U.S.	4 SH
ENGL 3672	Asian-American Literature	4 SH
ENGL 3673	U.S. Latino/Latina Literature	4 SH
ENGL 3674	American Indian Literature	4 SH
ENGL 4519	American Novels 1	4 SH
ENGL 4520	American Novels 2	4 SH
ENGL 4621	Romantic Poetry	4 SH
ENGL 4624	Victorian Literature	4 SH
ENGL 4625	Topics in Victorian Literature	4 SH
ENGL 4626	Nineteenth-Century British Fiction	4 SH
ENGL 4630	Major Twentieth-Century British Novelists	4 SH
ENGL 4631	Twentieth-Century British Literature	4 SH
ENGL 4663	Early African-American Literature	4 SH
ENGL 4665	The American Renaissance	4 SH
ENGL 4667	American Realism	4 SH
ENGL 4668	Modern American Literature	4 SH
ENGL 4670	Modern African-American Literature	4 SH
ENGL 4671	The Modern Short Story	4 SH
ENGL 4672	The Modern Novel	4 SH
ENGL 4673	Modern Drama	4 SH
ENGL 4674	Modern Poetry	4 SH
ENGL 4676	Contemporary American Literature	4 SH
ENGL 4678	Contemporary Poetry	4 SH
ENGL 4679	Contemporary Fiction	4 SH

LINGUISTICS/ENGLISH COMBINED-MAJOR REQUIREMENTS

Experiential Learning

Complete the following course, or complete a study abroad:

LING 4996	Experiential Education Directed Study	4 SH
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Integrative Course

Complete the following course:

LING 3454	History of English	4 SH
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JUNIOR/SENIOR SEMINAR

Complete the following course:

ENGL 4710	Junior/Senior Seminar	4 SH
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LINGUISTICS AND ENGLISH COMBINED-MAJOR CREDIT REQUIREMENT

Complete 72 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Linguistics and Psychology

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

LINGUISTICS REQUIREMENTS

Introductory Linguistics

Complete the following course:

LING 1150	Introduction to Language and Linguistics	4 SH
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Intermediate/Advanced Linguistics

Complete the following four courses:

LING 2350	Linguistic Analysis	4 SH
LING 3412	Language and Culture	4 SH
LING 3422	Phonology	4 SH
LING 3450	Syntax	4 SH

Linguistics Electives

Complete three courses from the following list:

DEAF 2700	ASL Linguistics	4 SH
LANG 3438	Structure of French	4 SH
LING 3402	African-American English	4 SH
LING 3428	African Languages	4 SH
LING 3430	Applied Linguistics	4 SH
LING 3432	Romance Linguistics	4 SH
LING 3434	Bilingualism	4 SH
LING 3436	Structure of Spanish	4 SH
LING 3442	Sociolinguistics	4 SH
LING 3444	Linguistics in Education	4 SH
LING 3448	Issues in Linguistics	4 SH
LING 3452	Semantics	4 SH
LING 3454	History of English	4 SH
LING 3456	Language and Gender	4 SH
LING 3458	Topics in Linguistics	4 SH
LING 4654	Seminar in Linguistics	4 SH
LING 4992	Directed Study	4 SH
PHIL 1215	Symbolic Logic	4 SH
PHIL 4540	Philosophy of Language	4 SH

PSYCHOLOGY REQUIREMENTS

Introductory and Intermediate Psychology

Complete the following two courses:

PSYC 1101	Foundations of Psychology	4 SH
PSYC 2320	Statistics in Psychological Research	4 SH

Advanced Psychology

Complete the following two courses:

PSYC 3402	Social Psychology	4 SH
PSYC 3466	Cognition	4 SH

Psychology Lab

Complete one of the two laboratory courses or a directed study on a topic related to psycholinguistics or cognition with prior approval:

PSYC 4610	Laboratory in Psycholinguistics	4 SH
or PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4992	Directed Study	4 SH

Psychology Seminar

Complete one seminar from the following list:

PSYC 4658	Seminar in Psycholinguistics	4 SH
PSYC 4660	Seminar in Cognition	4 SH

Psychology Electives

Complete two courses from the following list. A directed study on a topic related to psycholinguistics or cognition may be taken with prior approval:

PSYC 2356	Nonverbal Communication	4 SH
PSYC 3404	Developmental Psychology	4 SH
PSYC 3450	Learning and Motivation	4 SH
PSYC 3452	Sensation and Perception	4 SH
PSYC 3458	Psychobiology	4 SH
PSYC 3526	Categorization and Reasoning	4 SH
PSYC 4520	Language and the Brain	4 SH
PSYC 4522	Psychology of Reading	4 SH
PSYC 4524	Cognitive Development	4 SH
PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4658	Seminar in Psycholinguistics	4 SH
PSYC 4660	Seminar in Cognition	4 SH
PSYC 4992	Directed Study	4 SH

LINGUISTICS/PSYCHOLOGY COMBINED-MAJOR REQUIREMENTS

Experiential Learning

Complete an experiential learning directed study, two junior/senior honors project courses, or a study abroad:

LING 4996	Experiential Education Directed Study	4 SH
PSYC 4970	Junior/Senior Honors Project 1	4 SH
with PSYC 4971	Junior/Senior Honors Project 2	4 SH
PSYC 4996	Experiential Education Directed Study	4 SH

Integrative Course

Complete the following course:

PSYC 3464	Psychology of Language	4 SH
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LINGUISTICS AND PSYCHOLOGY COMBINED-MAJOR CREDIT REQUIREMENT

Complete 72 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

Minor in Linguistics**REQUIRED COURSES**

Complete the following two courses:

LING 1150	Introduction to Language and Linguistics	4 SH
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LING 2350	Linguistic Analysis	4 SH
-----------	---------------------	------

and complete one of the following courses:

LING 3422	Phonology	4 SH
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LING 3450	Syntax	4 SH
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ELECTIVE COURSES

Complete two linguistics courses in the following range:

LING 2000 to LING 4992

GPA REQUIREMENT

2.000 GPA required in the minor

MATHEMATICS

www.math.neu.edu

RICHARD D. PORTER, PhD

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Mathematics is of ever-increasing importance to our society and everyday life. It has long been the language of science and technology, and provides a rich source of methods for analyzing and solving problems encountered in the physical world. Today, mathematics is essential in virtually all fields of human endeavor, including business, the arts, and the social sciences.

The Bachelor of Arts degree requires at least eleven mathematics courses and two physics courses, in addition to the study of a foreign language; this program is appropriate for students who wish a broader liberal arts education. The Bachelor of Science degree requires at least fourteen mathematics courses and two physics courses but no foreign language study; it is more specialized, and it is recommended for those strongly interested in mathematics and science. The department also offers a minor degree in mathematics.

The major programs provide flexibility with elective courses. Students may take advantage of a range of interdisciplinary

programs and may join a major in mathematics with one in such fields as computer science, physics, and biology.

Exceptional students are accepted into the Honors Program, and have the option to enroll in honors sections of several of their mathematics courses. All math majors may benefit from co-op opportunities in the scientific and business communities in Boston and elsewhere.

Many of the mathematics courses that we offer use computers for visualization, modeling, and numerical approximation. The math computer lab features twenty-two personal computers supported by student mentors in a pleasant physical environment.

Students planning to teach secondary-school mathematics must major in mathematics and take a specific minor in education, which includes course work and student teaching.

Mathematical training may lead to opportunities in applied research (natural sciences, engineering, economics, management, computer science) as well as in mathematical research, teaching, or industry.

Transferring to the Major

Upperclass students transferring to mathematics must have a cumulative GPA of at least 2.000. They must also have at least a 2.000 GPA in all mathematics courses and a minimum grade of C in the following courses (if already taken):

MATH 1365	Introduction to Mathematical Reasoning	4 SH
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MATH 1341	Calculus 1 for Science and Engineering	4 SH
-----------	----------------------------------------	------

MATH 1342	Calculus 2 for Science and Engineering	4 SH
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MATH 2321	Calculus 3 for Science and Engineering	4 SH
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MATH 2331	Linear Algebra	4 SH
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Acceptance in the major is based on students' meeting the department's criteria for admission and availability of space in the major.

Academic Progression Standards

Students who begin as freshman mathematics majors must, after the fourth semester, satisfy the following: (a) have completed at least six of their required mathematics and physics courses; (b) have a grade average of C or better in the following courses:

MATH 1365	Introduction to Mathematical Reasoning	4 SH
-----------	----------------------------------------	------

MATH 1341	Calculus 1 for Science and Engineering	4 SH
-----------	----------------------------------------	------

MATH 1342	Calculus 2 for Science and Engineering	4 SH
-----------	----------------------------------------	------

MATH 2321	Calculus 3 for Science and Engineering	4 SH
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MATH 2331	Linear Algebra	4 SH
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and (c) have a GPA of at least 2.000 in all required mathematics and physics courses.

Students who transfer to the major must, after two semesters in the major, satisfy the following: (a) have completed at least four of their required mathematics and physics courses; (b) have a GPA of at least 2.000 in all required mathematics and physics courses; and (c) have grades of C or better in the following courses (if already taken):

MATH 1365	Introduction to Mathematical Reasoning	4 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2331	Linear Algebra	4 SH

Students who fail to achieve the above conditions will be placed on departmental probation. Students who remain two consecutive semesters on departmental probation will be dismissed from the major.

BA in Mathematics

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

MATHEMATICS MAJOR REQUIREMENTS FOR BA

Problem Solving and Programming

Complete the following two courses:

MATH 1365	Introduction to Mathematical Reasoning	4 SH
MATH 2250	Programming Skills for Mathematics	2 SH

History of Mathematics

Complete the following course:

MATH 2201	History of Mathematics	4 SH
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Calculus

Complete the following three courses:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH

Intermediate and Advanced Mathematics

Complete the following four courses:

MATH 2331	Linear Algebra	4 SH
MATH 3150	Real Analysis	4 SH
or MATH 4565	Topology	4 SH
MATH 3175	Group Theory	4 SH
MATH 3560	Geometry	4 SH
or MATH 3527	Number Theory	4 SH

Co-op Reflection

Complete one of the following courses:

MATH 3000	Co-op and Experiential Learning Reflection Seminar 1	1 SH
MATH 4000	Co-op and Experiential Learning Reflection Seminar 2	1 SH

Mathematics Electives

Complete two electives in the following range:

MATH 3001 to MATH 4899

Required Physics

Complete the following two courses with corresponding labs:

PHYSICS 1		
PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYSICS 2		
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

MATHEMATICS MAJOR GRADE REQUIREMENT

A grade of C or higher is required in all mathematics courses numbered 3000 and below and in MATH 4000.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

MATHEMATICS MAJOR CREDIT REQUIREMENT

Complete 54 semester hours in the major.

UPPER-DIVISION ELECTIVES

Complete three general electives numbered 3000 or above. *Note:* Courses used as upper-division electives do not count toward the NU Core.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BS in Mathematics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

MATHEMATICS MAJOR REQUIREMENTS FOR BS***Problem Solving and Programming***

Complete the following two courses:

MATH 1365	Introduction to Mathematical Reasoning	4 SH
MATH 2250	Programming Skills for Mathematics	2 SH

Calculus

Complete the following three courses with a grade of C or higher:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH

Intermediate and Advanced Mathematics

Complete the following five courses:

MATH 2331	Linear Algebra	4 SH
MATH 2351	Ordinary Differential Equations	4 SH
MATH 3081	Probability and Statistics	4 SH
MATH 3150	Real Analysis	4 SH
MATH 3175	Group Theory	4 SH

Co-op Reflections

Complete one of the following courses:

MATH 3000	Co-op and Experiential Learning Reflection Seminar 1	1 SH
MATH 4000	Co-op and Experiential Learning Reflection Seminar 2	1 SH

Mathematics Electives

Complete five electives in the following range:

MATH 3101 to MATH 4899

Required Physics

Complete the following two courses with corresponding labs:

PHYSICS 1		
PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYSICS 2		
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

MATHEMATICS MAJOR GRADE REQUIREMENT

A grade of C or higher is required in all mathematics courses numbered 3000 and below and in MATH 4000.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

MATHEMATICS MAJOR CREDIT REQUIREMENT

Complete 66 semester hours in the major.

UPPER-DIVISION ELECTIVES

Complete three general electives numbered 3000 or above. *Note:* Courses used as upper-division electives do not count toward the NU Core.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Mathematics and Physics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

MATHEMATICS REQUIREMENTS***Programming Skills***

Complete the following course:

MATH 2250	Programming Skills for Mathematics	2 SH
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Calculus

Complete the following three courses with a grade of C or higher:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH

Intermediate and Advanced Mathematics

Complete the following five courses:

MATH 2331	Linear Algebra	4 SH
MATH 2351	Ordinary Differential Equations	4 SH
MATH 3081	Probability and Statistics	4 SH
MATH 3150	Real Analysis	4 SH
MATH 3175	Group Theory	4 SH

Co-op Reflection

Complete one of the following courses:

MATH 3000	Co-op and Experiential Learning Reflection Seminar 1	1 SH
MATH 4000	Co-op and Experiential Learning Reflection Seminar 2	1 SH

Mathematics Elective

Complete one course in the following range:

MATH 3101 to MATH 4899

PHYSICS REQUIREMENTS**Physics 1**

Complete one of the following courses with corresponding lab and any applicable recitations:

PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH

Physics 2

Complete one of the following courses with corresponding lab and any applicable recitations:

PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Intermediate Physics

Complete the following three courses with corresponding lab, as indicated:

PHYS 2303	Modern Physics	4 SH
PHYS 2305	Thermodynamics and Statistical Mechanics	4 SH
PHYS 2371	Electronics	4 SH
with PHYS 2372	Lab for PHYS 2371	0 SH

Advanced Physics

Complete the following two courses:

PHYS 3600	Advanced Physics Laboratory 1	4 SH
PHYS 3602	Electricity and Magnetism	4 SH

Elective Courses

Complete two courses in the following range:

PHYS 3000 to PHYS 5999

INTEGRATIVE COURSES

Complete the following two courses:

MATH 4525	Applied Analysis	4 SH
or MATH 4545	Fourier Series and PDEs	4 SH
PHYS 3601	Classical Dynamics	4 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

MATHEMATICS AND PHYSICS COMBINED-MAJOR CREDIT REQUIREMENT

Complete 83 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Biology and Mathematics

See page 201.

BS in Computer Science and Mathematics

See page 159.

BS in Economics and Mathematics

See page 263.

BS in Environmental Geology and Mathematics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."

BS in Geology and Mathematics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the "Self-Service" tab, then on "My Degree Audit."

BS/MS in Mathematics

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

Minor in Mathematics**REQUIRED COURSES**

Complete the following two courses:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
Biology majors may substitute the following two courses:		
MATH 1251	Calculus and Differential Equations for Biology 1	4 SH
MATH 1252	Calculus and Differential Equations for Biology 2	4 SH

INTERMEDIATE-LEVEL COURSES

Complete two courses from the following list. Students may not take both MATH 2341 and MATH 2351 to satisfy this requirement:

MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2331	Linear Algebra	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH
or MATH 2351	Ordinary Differential Equations	4 SH

MATHEMATICS ELECTIVES

Complete two courses in the following range. *Note:* MATH 4000 may not be used for this requirement:

MATH 3001 to MATH 4699

GPA REQUIREMENT

2.000 GPA required in the minor

PHYSICS

www.physics.neu.edu

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Physics examines the fundamental principles that govern natural phenomena, ranging in scale from collisions of subatomic particles, through the behavior of solids, liquids, and biomolecules, to exploding stars and colliding galaxies.

The program aims to help students experience the intellectual stimulation of studying physics and the excitement of frontline research; understand the basic principles and techniques of physics-related careers; and prepare for graduate study in physics or related fields.

Programs

The department offers several degree programs: BS in physics, applied physics, or biomedical physics; BS in applied physics/MS in electrical engineering; MS and PhD in physics. Four levels of courses are offered: descriptive courses for nonscience majors with limited mathematical background; general survey courses for students in scientific and engineering fields; advanced courses primarily intended for physics, biomedical physics, and applied physics majors; and highly advanced courses primarily intended for prospective graduate students.

A BS, MS, or a PhD degree in physics offers many career opportunities in industrial, government, and academic high-technology laboratories as scientists or engineers.

BS IN PHYSICS

The physics program provides a strong foundation in classical and modern physics, including studies of the various physical phenomena including electromagnetism, dynamics, building blocks of matter, energy, and radiation.

BS IN BIOMEDICAL PHYSICS

The biomedical physics program seeks to understand the role of physical processes occurring on molecular, cellular, or macroscopic scales, in vital biological functions, ranging from the

interaction of chemicals with DNA, to the extraction of oxygen from red blood cells, to the generation of complex electrical signals in the brain and nervous system, and physical principles of medical devices.

BS IN APPLIED PHYSICS

The program promotes study of physical processes at nanoscale dimensions. This field has many applications, including developing new green technologies, such as improving solar light-to-electricity conversion; using sunlight to split water into hydrogen and oxygen for fuel cell technologies; building future devices for information technology such as quantum computers; and many medical applications of nanoscience to improve disease diagnosis and treatment.

BS/MS IN APPLIED PHYSICS AND ENGINEERING

Offered jointly by the Department of Physics and the Department of Electrical and Computer Engineering (ECE), the program provides strong interdisciplinary training in physics, math, and electrical engineering to achieve a BS degree in applied physics and take graduate courses in ECE in the fourth and fifth years that lead directly to an MS degree in electrical engineering.

COMBINED MAJORS

Students also have the opportunity to combine physics with another discipline through a combined major. Current combined majors with physics include chemical engineering, computer science, electrical engineering, environmental geology, geology, mathematics, and philosophy.

RESEARCH OPPORTUNITIES FOR UNDERGRADUATES

Students are encouraged to participate in the excitement of cutting-edge research in particle physics, biophysics, and nanotechnology with world-renowned faculty.

Transferring to the Major

Same as college standards. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

Students may not continue as physics majors beyond the end of the sophomore year unless the following courses are successfully completed:

PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH
PHYS 2303	Modern Physics	4 SH
PHYS 2305	Thermodynamics and Statistical Mechanics	4 SH
PHYS 2371	Electronics	4 SH
MATH 1341	Calculus 1 for Science and Engineering	4 SH

MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2351	Ordinary Differential Equations	4 SH

or equivalent courses. *Note:* The following courses may be taken in place of PHYS 1161, PHYS 1162, PHYS 1165, and PHYS 1166:

PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

A minimum GPA of 2.500 must be achieved in these courses to remain in the major.

Students may not graduate from the physics program unless all required physics, math, and science courses are passed with a GPA of 2.500 or more. Further, no more than two grades of D+ or lower may be counted toward the graduation requirements.

BS in Physics

NU CORE REQUIREMENTS

See page 30 for requirement list.

BREADTH COURSES FOR PHYSICS

Mathematics

Complete the following six courses:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2331	Linear Algebra	4 SH
MATH 2351	Ordinary Differential Equations	4 SH
MATH 3081	Probability and Statistics	4 SH

General Engineering

Complete the following engineering course:

GE 1111	Engineering Problem Solving and Computation	4 SH
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Chemistry

Complete the following chemistry course with corresponding lab:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

Technical Electives

Complete 8 semester hours of intermediate or advanced courses from the following list:

BIOL 2301 to BIOL 5999
CHEM 2311 to CHEM 5999
CHME 2001 to CHME 4699
CIVE 2001 to CIVE 4699
CS 2990 to CS 4900
EECE 2001 to EECE 5999
ENVR 2300 to ENVR 5999

IE 2001 to IE 4699

MATH 2280	Statistics and Software	4 SH
MATH 2285	Introduction to Multisample Statistics	4 SH
MATH 2321 to MATH 5999		
ME 2001 to ME 4699		
PHYS 2303 to PHYS 5999		

PHYSICS MAJOR REQUIREMENTS

Introductory Physics

Complete a lecture/lab set for Physics 1 and for Physics 2 with corresponding labs and any applicable recitations:

PHYSICS 1		
PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYSICS 2		
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Intermediate Physics

Complete the following three courses with corresponding lab, as indicated:

PHYS 2303	Modern Physics	4 SH
PHYS 2305	Thermodynamics and Statistical Mechanics	4 SH
PHYS 2371	Electronics	4 SH
with PHYS 2372	Lab for PHYS 2371	0 SH

Advanced Physics

Complete the following five courses:

PHYS 3600	Advanced Physics Laboratory 1	4 SH
PHYS 3601	Classical Dynamics	4 SH
PHYS 3602	Electricity and Magnetism	4 SH
PHYS 3603	Electromagnetic Waves and Optics	4 SH
PHYS 5115	Quantum Mechanics	4 SH

Elective Course

Complete one course from the following list:

MATH 4606	Mathematical and Computational Methods for Physics	4 SH
PHYS 3500	Physics with Computers	4 SH
PHYS 4606	Mathematical and Computational Methods for Physics	4 SH
PHYS 4621	Biological Physics 1	4 SH
PHYS 4623	Medical Physics	4 SH
PHYS 4651	Medical Physics Seminar 1	4 SH
PHYS 4652	Medical Physics Seminar 2	4 SH
PHYS 5113	Introduction to Particle and Nuclear Physics	4 SH
PHYS 5260	Introduction to Nanoscience and Nanotechnology	4 SH

Experiential Learning

Complete one course in experiential learning. Please see department for approved courses.

Senior Capstone

Complete the following course:

PHYS 5318 Principles of Experimental Physics 4 SH

PHYSICS MAJOR CREDIT REQUIREMENT

Complete 95 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

133 total semester hours required

Minimum 2.000 GPA required

BS in Applied Physics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

BREADTH COURSES FOR APPLIED PHYSICS**Mathematics**

Complete the following five courses:

MATH 1341 Calculus 1 for Science and Engineering 4 SH

MATH 1342 Calculus 2 for Science and Engineering 4 SH

MATH 2321 Calculus 3 for Science and Engineering 4 SH

MATH 2331 Linear Algebra 4 SH

MATH 2351 Ordinary Differential Equations 4 SH

General Engineering

Complete the following engineering course:

GE 1111 Engineering Problem Solving and Computation 4 SH

Chemistry

Complete the following course with corresponding lab:

CHEM 1211 General Chemistry 1 4 SH
with CHEM 1212 Lab for CHEM 1211 1 SH

Technical Electives

Complete 16 semester hours of intermediate or advanced courses from the following list:

BIOL 2301 to BIOL 5999

CHEM 2311 to CHEM 5999

CHME 2001 to CHME 4699

CIVE 2001 to CIVE 4699

CS 2990 to CS 4900

EECE 2001 to EECE 5999

ENVR 2300 to ENVR 5999

IE 2001 to IE 4699

MATH 2280 Statistics and Software 4 SH

MATH 2285 Introduction to Multisample Statistics 4 SH

MATH 2321 to MATH 5999

ME 2001 to ME 4699

PHYS 2303 to PHYS 5999

APPLIED PHYSICS MAJOR REQUIREMENTS**Introductory Physics**

Complete a lecture/lab set for Physics 1 and for Physics 2 with any applicable recitations:

PHYSICS 1

PHYS 1161 Physics 1 4 SH

with PHYS 1162 Lab for PHYS 1161 1 SH

or PHYS 1151 Physics for Engineering 1 4 SH

with PHYS 1152 Lab for PHYS 1151 1 SH

PHYSICS 2

PHYS 1165 Physics 2 4 SH

with PHYS 1166 Lab for PHYS 1165 1 SH

or PHYS 1155 Physics for Engineering 2 4 SH

with PHYS 1156 Lab for PHYS 1155 1 SH

Intermediate Physics

Complete the following three courses with corresponding lab, as indicated:

PHYS 2303 Modern Physics 4 SH

PHYS 2305 Thermodynamics and Statistical Mechanics 4 SH

PHYS 2371 Electronics 4 SH

with PHYS 2372 Lab for PHYS 2371 0 SH

Advanced Physics

Complete the following five courses:

MATH 4606 Mathematical and Computational Methods for Physics 4 SH

or PHYS 4606 Mathematical and Computational Methods for Physics 4 SH

PHYS 3600 Advanced Physics Laboratory 1 4 SH

PHYS 3602 Electricity and Magnetism 4 SH

PHYS 3603 Electromagnetic Waves and Optics 4 SH

PHYS 5260 Introduction to Nanoscience and Nanotechnology 4 SH

Advanced Physics Elective

Complete one course from the following list:

PHYS 3500 Physics with Computers 4 SH

PHYS 3601 Classical Dynamics 4 SH

PHYS 4621 Biological Physics 1 4 SH

PHYS 4623 Medical Physics 4 SH

PHYS 4651 Medical Physics Seminar 1 4 SH

PHYS 4652 Medical Physics Seminar 2 4 SH

PHYS 5113 Introduction to Particle and Nuclear Physics 4 SH

PHYS 5115 Quantum Mechanics 4 SH

Senior Capstone

Complete the following course:

PHYS 5318 Principles of Experimental Physics 4 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

APPLIED PHYSICS MAJOR CREDIT REQUIREMENT

Complete 91 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

133 total semester hours required

Minimum 2.000 GPA required

BS in Biomedical Physics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

BREADTH COURSES FOR BIOMEDICAL PHYSICS MAJOR**Mathematics**

Complete the following four calculus courses:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2351	Ordinary Differential Equations	4 SH

General Engineering

Complete the following engineering course:

GE 1111	Engineering Problem Solving and Computation	4 SH
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Biology

Complete the following two courses with corresponding labs:

BIOL 1111	General Biology 1	4 SH
with BIOL 1112	Lab for BIOL 1111	1 SH
BIOL 1113	General Biology 2	4 SH
with BIOL 1114	Lab for BIOL 1113	1 SH

Chemistry

Complete the following course with corresponding lab:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

Technical Electives

Complete two intermediate or advanced courses from the following list:

BIOL 2301 to BIOL 5999
 CHEM 2311 to CHEM 5999
 CHME 2001 to CHME 4699
 CIVE 2001 to CIVE 4699
 CS 2990 to CS 4900

EECE 2001 to EECE 5999

ENVR 2300 to ENVR 5999

IE 2001 to IE 4699

MATH 2280 Statistics and Software 4 SH

MATH 2285 Introduction to Multisample Statistics 4 SH

MATH 2321 to MATH 5999

ME 2001 to ME 4699

PHYS 2303 to PHYS 5999

BIOMEDICAL PHYSICS MAJOR REQUIREMENTS**Introductory Physics**

Complete a lecture/lab set for Physics 1 and for Physics 2 with any applicable recitations:

PHYSICS 1

PHYS 1161 Physics 1 4 SH

with PHYS 1162 Lab for PHYS 1161 1 SH

or PHYS 1151 Physics for Engineering 1 4 SH

with PHYS 1152 Lab for PHYS 1151 1 SH

PHYSICS 2

PHYS 1165 Physics 2 4 SH

with PHYS 1166 Lab for PHYS 1165 1 SH

or PHYS 1155 Physics for Engineering 2 4 SH

with PHYS 1156 Lab for PHYS 1155 1 SH

Intermediate Physics

Complete the following three courses with corresponding lab, as indicated:

PHYS 2303 Modern Physics 4 SH

PHYS 2305 Thermodynamics and Statistical Mechanics 4 SH

PHYS 2371 Electronics 4 SH

with PHYS 2372 Lab for PHYS 2371 0 SH

Advanced Physics

Complete the following three courses:

PHYS 3600 Advanced Physics Laboratory 1 4 SH

PHYS 3602 Electricity and Magnetism 4 SH

PHYS 3603 Electromagnetic Waves and Optics 4 SH

Biomedical Physics

Complete the following four courses:

PHYS 4621 Biological Physics 1 4 SH

PHYS 4623 Medical Physics 4 SH

PHYS 4651 Medical Physics Seminar 1 4 SH

PHYS 4652 Medical Physics Seminar 2 4 SH

Senior Capstone

Complete the following course:

PHYS 5318 Principles of Experimental Physics 4 SH

BIOMEDICAL PHYSICS MAJOR CREDIT REQUIREMENT

Complete 101 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

135 total semester hours required

Minimum 2.000 GPA required

BS in Physics and Philosophy**NU CORE REQUIREMENTS**

See page 30 for requirement list.

BREADTH COURSES**Mathematics**

Complete the following four courses:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2341	Differential Equations and Linear Algebra for Engineering	4 SH

PHYSICS REQUIREMENTS FOR COMBINED MAJOR**Introductory Physics**

Complete a lecture/lab set for Physics 1 and for Physics 2 with corresponding labs and any applicable recitations:

PHYSICS 1		
PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYSICS 2		
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Intermediate Physics

Complete the following three courses with corresponding lab, as indicated:

PHYS 2303	Modern Physics	4 SH
PHYS 2305	Thermodynamics and Statistical Mechanics	4 SH
PHYS 2371	Electronics	4 SH
with PHYS 2372	Lab for PHYS 2371	0 SH

Advanced Physics

Complete the following three courses:

PHYS 3600	Advanced Physics Laboratory 1	4 SH
PHYS 3602	Electricity and Magnetism	4 SH
PHYS 5115	Quantum Mechanics	4 SH

Physics Elective

Complete one elective from the following list:

MATH 4606	Mathematical and Computational Methods for Physics	4 SH
PHYS 3500	Physics with Computers	4 SH
PHYS 4606	Mathematical and Computational Methods for Physics	4 SH
PHYS 4621	Biological Physics 1	4 SH
PHYS 4623	Medical Physics	4 SH
PHYS 4651	Medical Physics Seminar 1	4 SH
PHYS 4652	Medical Physics Seminar 2	4 SH
PHYS 5113	Introduction to Particle and Nuclear Physics	4 SH
PHYS 5260	Introduction to Nanoscience and Nanotechnology	4 SH

PHILOSOPHY REQUIREMENTS FOR COMBINED MAJOR**Philosophy Required Courses**

Complete the following four courses:

PHIL 1115	Introduction to Logic	4 SH
or PHIL 1215	Symbolic Logic	4 SH
PHIL 2325	Ancient Philosophy	4 SH
PHIL 2330	Modern Philosophy	4 SH
PHIL 4505	Metaphysics	4 SH

Philosophy Seminar

Complete the following philosophy seminar:

PHIL 4902	Great Philosophers Seminar	4 SH
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Additional Electives

Complete four additional electives in philosophy.

PHYSICS/PHILOSOPHY INTEGRATIVE REQUIREMENTS

Complete the following two courses:

PHIL 4510	Philosophy of Science	4 SH
PHYS 3601	Classical Dynamics	4 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

PHYSICS AND PHILOSOPHY MAJOR CREDIT REQUIREMENT

Complete 98 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

131 total semester hours required

Minimum 2.000 GPA required

BSCHE in Chemical Engineering and Physics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Computer Science and Physics

See page 161.

BSEE in Electrical Engineering and Physics

See page 183.

BS in Environmental Geology and Physics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Geology and Physics

For degree requirements, please visit the myNEU Web Portal (www.myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BS in Mathematics and Physics

See page 230.

BS/MS in Applied Physics and Engineering**GPA PROGRESSION REQUIREMENT**

A GPA of 3.500 is required by the end of year three in order to enroll in graduate EECE courses in year four.

NU CORE REQUIREMENTS

See page 30 for requirement list.

BREADTH COURSES**Mathematics**

Complete the following four courses:

MATH 1341	Calculus 1 for Science and Engineering	4 SH
MATH 1342	Calculus 2 for Science and Engineering	4 SH
MATH 2321	Calculus 3 for Science and Engineering	4 SH
MATH 2351	Ordinary Differential Equations	4 SH

General Engineering

Complete the following engineering course:

GE 1111	Engineering Problem Solving and Computation	4 SH
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Chemistry

Complete the following introductory chemistry course with corresponding lab:

CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH

MAJOR REQUIREMENTS**Introductory Physics**

Complete a lecture/lab set for Physics 1 and for Physics 2 with corresponding labs and any applicable recitations:

PHYSICS 1

PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
or PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH

PHYSICS 2

PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH
or PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

Intermediate Physics

Complete the following three courses with corresponding lab, as indicated:

PHYS 2303	Modern Physics	4 SH
PHYS 2305	Thermodynamics and Statistical Mechanics	4 SH
PHYS 2371	Electronics	4 SH
with PHYS 2372	Lab for PHYS 2371	0 SH

Advanced Physics

Complete the following four courses:

PHYS 3600	Advanced Physics Laboratory 1	4 SH
PHYS 3602	Electricity and Magnetism	4 SH
PHYS 3603	Electromagnetic Waves and Optics	4 SH
PHYS 5115	Quantum Mechanics	4 SH

Experiential Learning

Complete the following course:

PHYS 4996	Experiential Education Directed Study	4 SH
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Senior Capstone

Complete the following course:

PHYS 5318	Principles of Experimental Physics	4 SH
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Engineering Undergraduate Requirements

Complete the following three courses:

EECE 2410	Circuits	4 SH
EECE 2412	Electronics 1	4 SH
EECE 3464	Linear Systems	4 SH

Engineering Graduate Requirements

Complete the following two courses:

EECE 7200	Linear Systems Analysis	4 SH
EECE 7204	Applied Probability and Stochastic Processes	4 SH

Engineering Graduate Electives

Complete six graduate EECE courses.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

**APPLIED PHYSICS AND ENGINEERING MAJOR
CREDIT REQUIREMENT**

Complete 115 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

135 total semester hours required for the bachelor's degree
Minimum 3.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

40 total semester hours of graduate course work required
Minimum 3.000 GPA required for graduate courses

Minor in Physics**REQUIRED COURSES**

Complete one of the following sequences with corresponding labs and any applicable recitations:

Physics 1 and 2

PHYS 1161	Physics 1	4 SH
with PHYS 1162	Lab for PHYS 1161	1 SH
PHYS 1165	Physics 2	4 SH
with PHYS 1166	Lab for PHYS 1165	1 SH

Physics for Engineering 1 and 2

PHYS 1151	Physics for Engineering 1	4 SH
with PHYS 1152	Lab for PHYS 1151	1 SH
PHYS 1155	Physics for Engineering 2	4 SH
with PHYS 1156	Lab for PHYS 1155	1 SH

ELECTIVE COURSES

Complete three courses from the following list with corresponding lab, as indicated:

MATH 4606	Mathematical and Computational Methods for Physics	4 SH
PHYS 2303	Modern Physics	4 SH
PHYS 2305	Thermodynamics and Statistical Mechanics	4 SH
PHYS 2371	Electronics	4 SH
with PHYS 2372	Lab for PHYS 2371	0 SH
PHYS 3600	Advanced Physics Laboratory 1	4 SH
PHYS 3601	Classical Dynamics	4 SH
PHYS 3602	Electricity and Magnetism	4 SH
PHYS 3603	Electromagnetic Waves and Optics	4 SH
PHYS 4606	Mathematical and Computational Methods for Physics	4 SH
PHYS 4621	Biological Physics 1	4 SH
PHYS 4623	Medical Physics	4 SH

PHYS 5113	Introduction to Particle and Nuclear Physics	4 SH
PHYS 5260	Introduction to Nanoscience and Nanotechnology	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

PSYCHOLOGY

www.psych.neu.edu

JOANNE L. MILLER, PhD

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Studies in modern psychology focus on mind, brain, and behavior. Based on empirical research with both humans and animals, psychologists investigate and seek explanations for the behavior and mental life of individuals and develop assessment tools and treatment options for addressing clinical problems.

The psychology curriculum explores such topics as how brain function determines behavior; how we see, hear, and learn; what constitutes abnormal personality; the nature of language and cognitive processing; how emotions affect behavior; and how individuals work in groups. Through laboratory practice and experimentation, individual research projects, and small-group seminars, the program provides the opportunity for critical evaluation and in-depth exploration across the diverse topic areas that constitute modern psychology.

All students are eligible for directed study courses, which are individualized study or research experiences under the supervision of a faculty member. The department also offers honors sections of various courses. Co-op placements are varied and include both community (often mental health) and laboratory settings, depending on a student's interests.

A solid scientific background in psychology helps prepare students for academic careers in teaching and research, as well as professional careers in business, public and social services, education, mental health, law, and medicine. It also provides a strong foundation for graduate study in all areas of psychology, including clinical programs.

Note: A double major in psychology and behavioral neuroscience is not offered due to the similarity in the course curricula of these majors.

Transferring to the Major

A student within the University seeking admission into the major must either (a) have a cumulative GPA of 2.500 or higher or (b) have taken at least three psychology courses at Northeastern and have a GPA of 2.500 or higher in *all* of their Northeastern psychology courses.

Academic Progression Standards

Students who fail to maintain a minimum GPA of 2.000 will be placed on departmental probation. Three consecutive academic terms on departmental probation will result in dismissal from the major.

BS in Psychology

NU CORE REQUIREMENTS

See page 30 for requirement list.

PSYCHOLOGY MAJOR REQUIREMENTS

Introductory Course

Complete the following course: *Note:* PSYC 1101 may not be used to satisfy the NU Core social science level 1 requirement:

PSYC 1101 Foundations of Psychology 4 SH

Personal/Social Bases of Behavior (Area A)

Complete two courses from the following list:

PSYC 3400 Personality 4 SH

PSYC 3402 Social Psychology 4 SH

PSYC 3404 Developmental Psychology 4 SH

PSYC 3406 Abnormal Psychology 4 SH

Biological/Cognitive Bases of Behavior (Area B)

Complete two courses from the following list:

PSYC 3450 Learning and Motivation 4 SH

PSYC 3452 Sensation and Perception 4 SH

PSYC 3458 Psychobiology 4 SH

PSYC 3464 Psychology of Language 4 SH

PSYC 3466 Cognition 4 SH

Statistics

Complete the following course:

PSYC 2320 Statistics in Psychological Research 4 SH

Psychology Seminar

Complete one seminar from the following list:

PSYC 4650 Seminar in Clinical Case Study 4 SH

PSYC 4652 Seminar in Ethics in Psychology 4 SH

PSYC 4654 Seminar in Behavioral Modification 4 SH

PSYC 4656 Seminar in Psychobiology 4 SH

PSYC 4658 Seminar in Psycholinguistics 4 SH

PSYC 4660 Seminar in Cognition 4 SH

PSYC 4662 Seminar in Personality 4 SH

PSYC 4664 Seminar in Social Psychology 4 SH

PSYC 4666 Seminar in Clinical Psychology 4 SH

PSYC 4668 Seminar in Sensation and Perception 4 SH

PSYC 4670 Seminar in Research Psychology 4 SH

PSYC 4672 Seminar in History and Theories of Psychology 4 SH

Lab Requirement

Complete two psychology lab courses or one psychology lab course and one psychology directed study:

LAB

PSYC 3536 Developing Education and Intervention Programs for Eating Disorders 4 SH

PSYC 4600 Research Design in Psychology 4 SH

PSYC 4604 Laboratory in Learning and Motivation 4 SH

PSYC 4606 Laboratory in Psychobiology 4 SH

PSYC 4608 Laboratory in Animal Behavior Research 4 SH

PSYC 4610 Laboratory in Psycholinguistics 4 SH

PSYC 4612 Laboratory in Cognition 4 SH

PSYC 4614 Laboratory in Social Psychology 4 SH

PSYC 4616 Laboratory in Personality 4 SH

PSYC 4620 Laboratory in Industrial/Organizational Psychology 4 SH

PSYC 4622 Laboratory in Sensation and Perception 4 SH

DIRECTED STUDY

PSYC 4992 Directed Study 4 SH

PSYCHOLOGY REQUIRED ELECTIVES FOR BS STUDENTS

Complete five elective PSYC courses.

INTERDISCIPLINARY CLUSTER

Complete three psychology-related courses. Choose from one group only. Courses used to satisfy core requirements cannot be used as psychology-related electives.

Educational Psychology

AFAM 3485 Education Issues in the Black Community 4 SH

EDUC 1113 Human Development and Learning 4 SH

EDUC 5104 Learning and Accomplished Practice 3 SH

EDUC 5152 Inquiry in the Humanities and Social Sciences at the Elementary Level 3 SH

EDUC 5170 Inclusion, Equity, and Diversity 3 SH

EDUC 7335 Race and Urban Education 3 SH

SLPA 4501 Language Disorders in Children 4 SH

SOCL 1290 Juvenile Delinquency 4 SH

Society and Psychology

ANTH 1101 Peoples and Cultures 4 SH

ANTH 2302 Gender and Sexuality: A Cross-Cultural Perspective 4 SH

ANTH 2315 Religion and Modernity 4 SH

LING 3412	Language and Culture	4 SH	LING 3456	Language and Gender	4 SH
SOCL 1235	Social Psychology	4 SH	PHIL 1215	Symbolic Logic	4 SH
SOCL 1240	Sociology of Prejudice and Violence	4 SH	PHIL 4540	Philosophy of Language	4 SH
SOCL 1241	Sociology of Violence	4 SH	SLPA 1202	Neurological Bases of Communication	4 SH
SOCL 1255	Sociology of the Family	4 SH	SLPA 1205	Speech and Hearing Science	4 SH
SOCL 1256	Violence in the Family	4 SH	SLPA 4500	Language Disorders in Adults	4 SH
SOCL 1260	Gender in a Changing Society	4 SH	SLPA 4501	Language Disorders in Children	4 SH
SOCL 1285	Deviant Behavior and Social Control	4 SH			
SOCL 1290	Juvenile Delinquency	4 SH	Human Factors		
SOCL 1295	Drugs and Society	4 SH	IS 2000	Principles of Information Science	4 SH
			IS 3500	Information System Design and Development	4 SH
Forensic Psychology			IS 4200	Information Retrieval	4 SH
CHEM 1107	Introduction to Forensic Chemistry	4 SH	IS 4300	Human Computer Interaction	4 SH
CRIM 2200	Criminology	4 SH	IS 4800	Empirical Research Methods	4 SH
CRIM 4010	Gender, Crime, and Justice	4 SH			
CRIM 4020	Race, Crime, and Justice	4 SH	Child and Adolescent Abnormal Psychology		
CRIM 4310	Correctional Intervention	4 SH	SLPA 4501	Language Disorders in Children	4 SH
CRIM 4600	Criminal Violence	4 SH	SLPA 5150	Early Intervention: Assessment and Intervention	3 SH
CRIM 4660	Communities and Crime	4 SH	SOCL 1256	Violence in the Family	4 SH
CRIM 4700	Psychology of Crime	4 SH	SOCL 1290	Juvenile Delinquency	4 SH
CRIM 4710	Law and Psychology	4 SH	SOCL 1295	Drugs and Society	4 SH
			SOCL 3437	Children and Youth in Contemporary Society	4 SH
Cross-Cultural Psychology					
ANTH 1101	Peoples and Cultures	4 SH	Human Resources Management and Business		
LING 3412	Language and Culture	4 SH	INTB 3310	Cultural Aspects of International Business	4 SH
LING 3442	Sociolinguistics	4 SH	MISM 2301	Management Information Systems	4 SH
SOCL 1270	Race and Ethnic Relations	4 SH	MKTG 2209	Introduction to Marketing	4 SH
			ORGB 3201	Organizational Behavior	4 SH
Expressive Therapy			PHIL 1170	Business Ethics	4 SH
EDUC 1150	Multicultural Children's Literature	4 SH	SOCL 1272	Social Roles in the Business World	4 SH
MUSC 1118	Music Therapy 1	4 SH	SOCL 1273	Sociology of Gender and Work	4 SH
MUSC 2318	Music Therapy 2	4 SH	SOCL 1280	Sociology of Work	4 SH
THTR 1120	Acting 1	4 SH			
			Philosophy of Science and Psychology		
Counseling and Applied Psychology			PHIL 1105	Science and Pseudoscience	4 SH
CAEP 3480	Counseling Theories and Practice	4 SH	PHIL 1114	Reason, Risk, and Evidence	4 SH
CAEP 3485	Mental Health and Counseling	4 SH	PHIL 1115	Introduction to Logic	4 SH
CAEP 4502	Health Counseling	3 SH	PHIL 4510	Philosophy of Science	4 SH
HUSV 2300	Counseling in Human Services	4 SH	PHIL 4530	Philosophy of Psychology	4 SH
HUSV 3520	Child Intervention and Treatment	4 SH	PHIL 4535	Philosophy of Mind	4 SH
			PHIL 4540	Philosophy of Language	4 SH
Artificial Intelligence and Information Science					
CS 1500	Algorithms and Data Structures for Engineering	4 SH	Ethics		
CS 3800	Theory of Computation	4 SH	MGMT 3301	Legal, Ethical, and Social Issues	2 SH
CS 4100	Artificial Intelligence	4 SH	PHIL 1130	Ethics: East and West	4 SH
CS 4800	Algorithms and Data	4 SH	PHIL 1165	Moral and Social Problems in Health Care	4 SH
IS 2000	Principles of Information Science	4 SH			
IS 4300	Human Computer Interaction	4 SH	PHIL 1170	Business Ethics	4 SH
			PHIL 1180	Environmental Ethics	4 SH
Language			PHIL 2340	Philosophy of Human Nature	4 SH
DEAF 2700	ASL Linguistics	4 SH	PHIL 3435	Moral Philosophy	4 SH
LING 2350	Linguistic Analysis	4 SH	PHIL 3465	Advanced Medical Ethics	4 SH
LING 3412	Language and Culture	4 SH	SOCL 1240	Sociology of Prejudice and Violence	4 SH
LING 3422	Phonology	4 SH			
LING 3434	Bilingualism	4 SH			
LING 3442	Sociolinguistics	4 SH			
LING 3450	Syntax	4 SH			
LING 3452	Semantics	4 SH			

Biological and Chemical Sciences

Complete any biology or chemistry course not taken to fulfill the NU Core science/technology level 1 requirement:

BIOL 1101	Principles of Biology 1	4 SH
with BIOL 1102	Lab for BIOL 1101	1 SH
BIOL 1103	Principles of Biology 2	4 SH
with BIOL 1104	Lab for BIOL 1103	1 SH
BIOL 1111	General Biology 1	4 SH
BIOL 1113	General Biology 2	4 SH
BIOL 1117	Integrated Anatomy and Physiology 1	4 SH
BIOL 1119	Integrated Anatomy and Physiology 2	4 SH
with BIOL 1120	Lab for BIOL 1119	1 SH
BIOL 1141	Microbes and Society	4 SH
BIOL 1145	Environment and Humankind	4 SH
BIOL 1147	The Human Organism	4 SH
BIOL 1149	Biology of Human Reproduction	4 SH
BIOL 1151	Introduction to Marine Biology	4 SH
BIOL 2311	Ecology	4 SH
or BIOL 5567	Wildlife Biology	4 SH
BIOL 3403	Animal Behavior	4 SH
BIOL 3405	Neurobiology	4 SH
BIOL 5545	Neuroethology	4 SH
BIOL 5547	Sociobiology	4 SH
BIOL 5563	Ornithology	4 SH
or BIOL 5565	Mammalogy	4 SH
BIOL 5585	Evolution	5 SH
CHEM 1101	General Chemistry for Health Sciences	4 SH
with CHEM 1102	Lab for CHEM 1101	1 SH
CHEM 1104	Organic Chemistry for Health Sciences	4 SH
with CHEM 1105	Lab for CHEM 1104	1 SH
CHEM 1107	Introduction to Forensic Chemistry	4 SH
CHEM 1211	General Chemistry 1	4 SH
with CHEM 1212	Lab for CHEM 1211	1 SH
CHEM 1214	General Chemistry 2	4 SH
with CHEM 1215	Lab for CHEM 1214	1 SH
CHEM 2321	Analytical Chemistry	4 SH
ENVR 1121	Marine Resources	4 SH
ENVR 1123	Biological Oceanography	4 SH
ENVR 1124	New England Fisheries Resources	4 SH

Physical Sciences and Mathematics

In addition to the following courses, any math skill course may be used with advisor approval provided it is beyond the mathematics course used to satisfy the mathematics core requirement:

ENVR 1101	Environmental Science	4 SH
ENVR 1104	Natural Disasters and Catastrophes	4 SH
ENVR 1110	Global Climate Change	4 SH
ENVR 1112	Environmental Geology	4 SH
ENVR 1120	Oceans and Coasts	4 SH
ENVR 1121	Marine Resources	4 SH

ENVR 1122	Physical Oceanography	4 SH
ENVR 1123	Biological Oceanography	4 SH
ENVR 1124	New England Fisheries Resources	4 SH
ENVR 1130	Planetary Astronomy	4 SH
ENVR 1140	Physical Geography	4 SH
ENVR 1200	Dynamic Earth	4 SH
ENVR 3100	Oceanography	3 SH
ENVR 3418	Geophysics	4 SH
MATH 2210	Foundations of Mathematics	4 SH
MATH 2310	Discrete Mathematics	4 SH
MATH 4581	Statistics and Stochastic Processes	4 SH

or any PHYS course.

PSYCHOLOGY EXPERIENTIAL LEARNING REQUIREMENT

Complete one of the following courses or co-op work experience or study abroad. See the experiential learning advisor in psychology for other options:

EDUC 4850	Teaching Practicum	8 SH
HUSV 4620	Civic Engagement, Leadership, and Ethics in Practice 1	4 SH
PSYC 3536	Developing Education and Intervention Programs for Eating Disorders	4 SH
PSYC 4608	Laboratory in Animal Behavior Research	4 SH
PSYC 4650	Seminar in Clinical Case Study	4 SH
PSYC 4652	Seminar in Ethics in Psychology	4 SH
PSYC 4654	Seminar in Behavioral Modification	4 SH
PSYC 4970	Junior/Senior Honors Project 1	4 SH
PSYC 4992	Directed Study	4 SH
PSYC 4994	Internship in Psychology	4 SH

BS IN PSYCHOLOGY MAJOR CREDIT REQUIREMENTS

Complete 68 semester hours in the major. A maximum of 34 semester hours of transfer credit is allowed in the major. *Note:* Up to 12 semester hours of psychology-related electives will count toward the major *only after* the psychology-related elective section has been completed.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Psychology and Education

NU CORE REQUIREMENTS

See page 30 for requirement list.

PSYCHOLOGY MAJOR REQUIREMENTS

Introductory Course

Complete the following course. *Note:* PSYC 1101 cannot be used to satisfy the NU Core social science level 1 requirement:

PSYC 1101	Foundations of Psychology	4 SH
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Developmental Psychology

Complete the following course:

PSYC 3404	Developmental Psychology	4 SH
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Statistics

Complete the following course:

PSYC 2320	Statistics in Psychological Research	4 SH
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Learning/Cognitive Development

Complete one of the following courses. *Note:* PSYC 3450 cannot be used to satisfy both this requirement and the Area B requirement below:

PSYC 3450	Learning and Motivation	4 SH
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PSYC 4524	Cognitive Development	4 SH
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Personal/Social Bases of Behavior (Area A)

Complete one course from the following list:

PSYC 3400	Personality	4 SH
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PSYC 3402	Social Psychology	4 SH
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PSYC 3406	Abnormal Psychology	4 SH
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Biological/Cognitive Bases of Behavior (Area B)

Complete one course from the following list:

PSYC 3450	Learning and Motivation	4 SH
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PSYC 3452	Sensation and Perception	4 SH
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PSYC 3458	Psychobiology	4 SH
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PSYC 3464	Psychology of Language	4 SH
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PSYC 3466	Cognition	4 SH
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Psychology Seminar

Complete one seminar from the following list:

PSYC 4650	Seminar in Clinical Case Study	4 SH
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PSYC 4652	Seminar in Ethics in Psychology	4 SH
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PSYC 4654	Seminar in Behavioral Modification	4 SH
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PSYC 4656	Seminar in Psychobiology	4 SH
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PSYC 4658	Seminar in Psycholinguistics	4 SH
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PSYC 4660	Seminar in Cognition	4 SH
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PSYC 4662	Seminar in Personality	4 SH
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PSYC 4664	Seminar in Social Psychology	4 SH
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PSYC 4666	Seminar in Clinical Psychology	4 SH
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PSYC 4668	Seminar in Sensation and Perception	4 SH
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PSYC 4670	Seminar in Research Psychology	4 SH
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PSYC 4672	Seminar in History and Theories of Psychology	4 SH
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Lab Requirement

Complete one psychology lab course from the following list:

PSYC 3536	Developing Education and Intervention Programs for Eating Disorders	4 SH
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PSYC 4600	Research Design in Psychology	4 SH
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PSYC 4604	Laboratory in Learning and Motivation	4 SH
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PSYC 4606	Laboratory in Psychobiology	4 SH
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PSYC 4608	Laboratory in Animal Behavior Research	4 SH
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PSYC 4610	Laboratory in Psycholinguistics	4 SH
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PSYC 4612	Laboratory in Cognition	4 SH
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PSYC 4614	Laboratory in Social Psychology	4 SH
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PSYC 4616	Laboratory in Personality	4 SH
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PSYC 4620	Laboratory in Industrial/Organizational Psychology	4 SH
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PSYC 4622	Laboratory in Sensation and Perception	4 SH
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PSYCHOLOGY REQUIRED ELECTIVES

Complete three elective PSYC courses.

EDUCATION MAJOR REQUIREMENTS

Education in the Community

Complete the following course with corresponding field experience:

EDUC 1111	Education in the Community	4 SH
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with EDUC 1112	Field Experience	0 SH
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Required Courses

Complete the following six courses with corresponding teaching preparatory lab and field experience, as indicated:

EDUC 4504	Learning and Accomplished Practice	4 SH
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EDUC 4530	Race and Urban Education	4 SH
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EDUC 4552	Inquiry in the Humanities and Social Sciences at the Elementary Level	4 SH
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EDUC 4553	Inquiry in Math and Science at the Elementary Level	4 SH
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with EDUC 4947	Teaching Preparatory Lab 3	0 SH
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EDUC 4567	Literacy Development and Instruction	4 SH
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with EDUC 3521	Field Experience	0 SH
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EDUC 4570	Inclusion, Equity, and Diversity	4 SH
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PSYCHOLOGY/EDUCATION INTEGRATIVE REQUIREMENT

Complete the following course with corresponding seminar:

EDUC 4850	Teaching Practicum	8 SH
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with EDUC 4851	Teaching Seminar	4 SH
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PSYCHOLOGY/EDUCATION MAJOR CREDIT REQUIREMENTS

Complete 80 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BS in American Sign Language and Psychology

See page 253.

BS in Computer Science and Cognitive Psychology

See page 152.

BS in Information Science and Cognitive Psychology

See page 164.

BA in Linguistics and Psychology

See page 227.

Minor in Psychology

Note: A maximum of two courses (or 8 semester hours) of transfer credit may count toward the minor. Courses taken pass/fail and receiving an S grade may not be used toward the minor. Transfer courses may not be used to satisfy the Area A or Area B requirements of the minor. This minor is not available to students majoring in behavioral neuroscience.

REQUIRED COURSE

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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PERSONAL/SOCIAL BASES OF BEHAVIOR (AREA A)

Complete one of the following courses:

PSYC 3400	Personality	4 SH
PSYC 3402	Social Psychology	4 SH
PSYC 3404	Developmental Psychology	4 SH
PSYC 3406	Abnormal Psychology	4 SH

BIOLOGICAL/COGNITIVE BASES OF BEHAVIOR (AREA B)

Complete one of the following courses:

PSYC 3450	Learning and Motivation	4 SH
PSYC 3452	Sensation and Perception	4 SH
PSYC 3458	Psychobiology	4 SH
PSYC 3464	Psychology of Language	4 SH
PSYC 3466	Cognition	4 SH

ELECTIVE COURSES

Complete two additional PSYC courses.

GPA REQUIREMENT

2.000 GPA required in the minor

College of Social Sciences and Humanities

www.northeastern.edu/cssh

GEORGES VAN DEN ABBEELE, PHD, Dean

Office: Center for Student Academic Services, 1 Meserve Hall
 Phone: 617.373.3980
 Fax: 617.373.7768
 E-mail contact: csas@neu.edu

Students in the College of Social Sciences and Humanities explore intrinsic questions about human nature and behavior, the organization and functioning of societies and cultures, and how humans seek to shape the world they share.

The exploration of these common threads opens the world to students, seeking to provide a broad understanding of the relationships among peoples and nations; global economics and politics; the diversity of languages, literatures, religions, and cultures; and multiple perspectives in urban affairs, public policy, law, criminal justice, and the ethical dimensions of human behavior.

The College of Social Sciences and Humanities offers Bachelor of Arts and Bachelor of Science degrees in a number of majors, as well as many interdisciplinary programs, and emphasizes general education through the NU Core. Opportunities for students include national and international programs for study and experience; programs in field settings, both local and abroad; and programs involving affiliations in such areas as social service organizations and government offices. The college also emphasizes experiential learning through cooperative education; service-learning; and other kinds of internships, student-faculty research collaborations, and study abroad.

Students may choose a four- or five-year experiential learning plan in most programs. Either plan offers co-op opportunities, often in an area related to the student's chosen academic area. Students are normally eligible to participate in co-op in the second semester of their sophomore year.

Many programs are flexible enough to allow students to pursue a double major, a major and a minor, or one of the college's specific combined majors. The college also offers students the opportunity to create an independent major in cases where their interests and goals are not met by a specific major program.

Academic Advising

The College of Social Sciences and Humanities has an academic advising system that consists of academic advisors located in the Center for Student Academic Services in 1 Meserve Hall and faculty advisors located in the college's departments and program offices. Detailed advising information is available on the college

Web site: www.northeastern.edu/cssh. Prelaw advising (www.northeastern.edu/prelaw) and premedical/pre dental advising (www.premed.neu.edu) are also available.

Academic Progression Standards

The College of Social Sciences and Humanities adheres to the University-wide academic progression standards described in the beginning of the catalog. Some majors have additional specific requirements in order to progress from year to year (see major requirements in departmental listings).

Graduation Clearance Process

Students in the College of Social Sciences and Humanities are required to meet with an academic advisor in the Center for Student Academic Services in 1 Meserve Hall to determine their remaining graduation requirements. Some departments also require a meeting with a faculty advisor in their major/program. This should be completed in the junior year to ensure ample time to complete any outstanding requirements.

Transferring to the College of Social Sciences and Humanities

Students who wish to transfer to a major in the social sciences or humanities should meet with a faculty advisor in the major in which they are interested as well as the appropriate academic advisor in the Center for Student Academic Services in 1 Meserve Hall. Once both advisors have signed the petition for the student to be admitted to the major, the student must take the petition to the Center for Student Academic Services to be processed. For a list of academic advisors in the center and faculty advisors in the departments/programs, please consult the college Web site at www.northeastern.edu/cssh. For specific internal transfer requirements, please refer to the academic programs section of the catalog. To declare a minor in the college, students should have a petition signed by a faculty advisor in the department/program offering the minor and then bring the signed petition to the Center for Student Academic Services.

College Requirements

All students in the College of Social Sciences and Humanities must successfully complete the University requirements of the NU Core (see page 30). In addition, students pursuing a Bachelor of Arts degree (BA) must fulfill the BA requirements (see page 31).

INTERDISCIPLINARY MINORS

Latino/a, Latin American, and Caribbean Studies

The LLACS (Latino/a, Latin American, and Caribbean Studies) program offers an interdisciplinary minor. It explores the historical, cultural, political, and economic foundations of and linkages between U.S. Latino society, Latin America, and the Caribbean. It draws from the heritages of the Americas that are grounded in predominantly indigenous, African, and European cultures.

For more information, contact the program director, Professor Alan West-Duran (447 Meserve Hall), at 617.373.4292 or at d.west-duran@neu.edu.

Minor in Latino/a, Latin American, and Caribbean Studies

REQUIRED COURSE

Complete the following course:

LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH
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ELECTIVE COURSES

Complete three courses from the following list:

AFAM 1270	Economic Status of Ethnic Minorities	4 SH
AFAM 2345	The Black Experience in the Caribbean	4 SH
AFAM 2367	Race and Social Identity	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH
ANTH 4500	Latin American Society and Development	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1505	Introduction to Latin American Culture	4 SH
ENGL 3671	Multiethnic Literatures of the U.S.	4 SH
ENGL 3673	U.S. Latino/Latina Literature	4 SH
HIST 1260	Modern Latin America	4 SH
HIST 1261	The Modern Caribbean	4 SH
LITR 4655	Latin American Literature	4 SH
MUSC 1127	Introduction to World Music	4 SH
MUSC 1131	Music of Latin America and the Caribbean	4 SH
POLS 2380	Latino Politics in the United States	4 SH
POLS 3475	Government and Politics in Latin America	4 SH
SOCL 1246	Environment and Society	4 SH
SOCL 1270	Race and Ethnic Relations	4 SH
SOCL 3460	Sociology of Latino Society	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Law, Policy, and Society

Law, Policy, and Society (LPS) is an interdisciplinary program integrating the study of law with politics, criminal justice, economic analysis, sociology, philosophy, and history. Course work will analyze the social, political, and economic consequences of law, legal processes, and the impetus for legal change. In the LPS minor core courses, students will have the opportunity to watch a criminal and/or civil trial, participate in a moot court before a panel of “judges,” and listen to speakers from both the public and private sector (past speakers have included a superior court judge and an assistant attorney general). While the minor is well suited for students interested in pursuing a career in law and/or policy, it is invaluable for students in any field of practice, as law affects all professions and facets of everyday life. Likewise, the LPS minor courses are taught by faculty drawn from a number of fields, including criminal justice, sociology, political science, law, philosophy, and economics.

For more information, contact the program director, Professor Joan Fitzgerald (205 Holmes Hall), at 617.373.3644 or at jo.fitzgerald@neu.edu.

Minor in Law, Policy, and Society

REQUIRED COURSES

Complete the following two courses: *Note:* A minimum grade of B is required:

LPSC 2201	Introduction to Law	4 SH
LPSC 2301	Introduction to Law, Policy, and Society	4 SH

ELECTIVE COURSES

Complete three courses from the following list:

AFAM 2345	The Black Experience in the Caribbean	4 SH
AFAM 2367	Race and Social Identity	4 SH
AFAM 2399	Black Community and Social Change	4 SH
AFAM 4549	Public Policy and Black America	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
COMM 2331	Legal Argumentation, Advocacy, and Citizenship	4 SH
COMM 3501	Free Speech: Law and Practice	4 SH
CRIM 2100	Criminal Due Process	4 SH
CRIM 2200	Criminology	4 SH
CRIM 3200	Juvenile Justice	4 SH
CRIM 4010	Gender, Crime, and Justice	4 SH
CRIM 4020	Race, Crime, and Justice	4 SH
CRIM 4110	Legal Philosophy	4 SH
CRIM 4630	Political Crime and Terrorism	4 SH
CRIM 4670	Comparative Criminal Justice	4 SH
ECON 1240	Economics of Crime	4 SH
ECON 3423	Environmental Economics	4 SH
ECON 3461	Government and Business	4 SH
ENGL 3311	Advanced Writing for Prelaw	4 SH
ENGL 3325	Rhetoric of Law	4 SH
ENVR 5210	Environmental Planning	4 SH

IM 2300	Managing Media Development	4 SH
INTL 3400	International Conflict and Negotiation	4 SH
JRNL 3550	Law of the Press	4 SH
LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH
LPSC 2304	Mind the Gap: Current Debates in Law and Policy	4 SH
LPSC 3303	Topics in Law, Policy, and Society	4 SH
LPSC 3305	Law and the City	4 SH
MUSI 3335	Copyright Law for Musicians	4 SH
PHIL 2301	Philosophical Problems of Law and Justice	4 SH
PHIL 2303	Social and Political Philosophy	4 SH
PHIL 2304	Philosophical Problems of Economic Justice	4 SH
PHMD 6330	Jurisprudence	3 SH
POLS 3302	Judicial Process and Behavior	4 SH
POLS 3324	Law and Society	4 SH
POLS 4500	U.S. Constitutional Law	4 SH
POLS 4505	U.S. Civil Liberties	4 SH
POLS 4510	International Law	4 SH
POLS 4615	Seminar in Public Law	4 SH
POLS 4905	Moot Court	4 SH
SOCL 1205	Law and Social Justice	4 SH
SOCL 3406	Class, Crime, and the Legal System	4 SH
SOCL 4518	Law and Social Issues	4 SH
The following courses are available to business majors only:		
FINA 4312	Issues in Corporate Governance	4 SH
MGMT 3301	Legal, Ethical, and Social Issues	2 SH

GPA REQUIREMENT

3.000 GPA required in the minor

Leadership Studies

The leadership studies minor is designed to provide students with the knowledge, skill, and practice to become effective leaders in a variety of fields and disciplines.

The leadership studies minor, located in the Center for Interdisciplinary Studies, crafts a curriculum that works well in partnership with a broad spectrum of majors. Courses draw from over 14 departments including the Departments of Communication Studies, Political Science, Sociology, Interdisciplinary Studies, and Philosophy, providing an overarching ethical and skills base for students.

The leadership studies minor currently offers four tracks that serve a wide variety of student interests and concerns: Women and Leadership; Military Leadership; Public Policy and Leadership; and Organizations and Leadership. A foundations course, ethics course, and practicum round out the minor.

WOMEN AND LEADERSHIP TRACK

This track aims to help develop an understanding of women as leaders in both a global and an historical context, raise awareness of how gender relates to the definitions and practices of leadership, and enhance leadership skills for all participating students.

MILITARY LEADERSHIP TRACK

This track focuses on providing students with an understanding of war and conflict in an historical, economic, social, and political context. For those who choose Reserve Officer Training Corps (ROTC), this track teaches students the principles of military leadership in an academic setting. It provides students with the opportunity to apply these principles to real-world situations through their participation in the ROTC Cadet Battalion.

PUBLIC POLICY AND LEADERSHIP TRACK

This track is designed for students interested in the functions of government, public policy making, and public administration. Students are shown how policy decisions affect populations, human and ecological environments, and the legitimacy and authority of public decision makers. Ultimately, this track offers students the opportunity to understand the dynamics of leadership and decision making and the impact that public and interpersonal communication skills have on these processes.

ORGANIZATIONS AND LEADERSHIP TRACK

This track provides a lens through which students can examine and explore organizations and the people within. What is the role of work in society and how does this change across culture and time? How does the definition of leadership effectiveness change for different types of organizations and communities? Students are exposed to practices and ideas geared to help them make a difference, work with others, and accomplish change in their leadership endeavors. Students grapple with processes, strategies, and skills at the individual and organizational level including consulting, diagnosis, communication, and working successfully in teams.

For more information, contact Lauren Turner (1 Nightingale Hall) at 617.373.6017 or at l.turner@neu.edu. Also, please visit www.interdisciplinary.neu.edu/leadershipstudies.html.

Minor in Leadership Studies

REQUIRED COURSES—INTRODUCTION

Complete the following course:

LDRS 1130	Introduction to Leadership Studies	4 SH
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REQUIRED COURSES—PRACTICUM/EXPERIENCE

Complete one of the following courses. The directed study and service-learning course options require approval from the program director:

LDRS 4945	Service-Learning	4 SH
LDRS 4995	Student Leadership Practicum	4 SH
LDRS 4996	Experiential Education Directed Study	4 SH

REQUIRED COURSES—ETHICS

Complete one ethics course from the following list:

PHIL 1130	Ethics: East and West	4 SH
PHIL 1145	Technology and Human Values	4 SH
PHIL 1165	Moral and Social Problems in Health Care	4 SH

PHIL 1170	Business Ethics	4 SH	HIST 1253	History of Vietnam Wars	4 SH
PHIL 1180	Environmental Ethics	4 SH	INTL 3400	International Conflict and Negotiation	4 SH
PHIL 2302	Philosophical Problems of War and Peace	4 SH	POLS 3408	International Security	4 SH
PHIL 2304	Philosophical Problems of Economic Justice	4 SH	POLS 3420	National Security, War, and Terrorism	4 SH
PHIL 3435	Moral Philosophy	4 SH	POLS 3425	U.S. Foreign Policy	4 SH
PHIL 3465	Advanced Medical Ethics	4 SH	POLS 4510	International Law	4 SH
			POLS 4910	Model United Nations	4 SH
			POLS 4915	Model Arab League	4 SH

LEADERSHIP MINOR ELECTIVES

Complete 16 semester hours of electives in your chosen track. No more than 8 semester hours may be taken from any single department. A maximum of 4 semester hours may be taken from leadership common electives:

Track 1: Public Policy and Leadership

AFAM 1270	Economic Status of Ethnic Minorities	4 SH
AFAM 2339	Analysis of American Racism	4 SH
AFAM 2344	Contemporary Black Politics	4 SH
AFAM 2360	Politics of Poverty	4 SH
AFAM 4549	Public Policy and Black America	4 SH
AFAM 4600	Contemporary Issues: Race, Science, and Technology	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
COMM 4610	Political Communication	4 SH
ECON 1240	Economics of Crime	4 SH
ECON 1270	Economic Status of Ethnic Minorities	4 SH
ECON 3414	Economics of Human Capital	4 SH
HIST 2342	Environmental History of North America	4 SH
PHIL 1180	Environmental Ethics	4 SH
PHIL 2301	Philosophical Problems of Law and Justice	4 SH
PHIL 2303	Social and Political Philosophy	4 SH
POLS 2334	Bureaucracy and Government Organizations	4 SH
POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 2395	Environmental Politics	4 SH
POLS 3300	The U.S. Congress	4 SH
POLS 3305	The American Presidency	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3315	Interest Groups and Public Policy	4 SH
POLS 4910	Model United Nations	4 SH
POLS 4915	Model Arab League	4 SH
SOCL 1228	Social Problems	4 SH
SOCL 3401	Social Policy and Intervention	4 SH

Track 2: Military Leadership

ARMY 3301	Adaptive Team Leadership	4 SH
ARMY 3302	Leadership in Changing Environments	4 SH
ARMY 3503	American Military History	4 SH
ARMY 4401	Developing Adaptive Leaders	4 SH
ARMY 4402	Leadership in a Complex World	4 SH
HIST 1229	Military History of the United States	4 SH

Track 3: Women and Leadership

AFAM 2325	African-American Women	4 SH
COMM 2304	Communication and Gender	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2372	Gender and Society in Modern Europe	4 SH
LING 3456	Language and Gender	4 SH
POLS 2375	Gender and Politics	4 SH
POLS 4910	Model United Nations	4 SH
POLS 4915	Model Arab League	4 SH
SOCL 1260	Gender in a Changing Society	4 SH
SOCL 1273	Sociology of Gender and Work	4 SH
SOCL 3402	Feminist Perspectives on Society	4 SH
SOCL 4520	Race, Class, and Gender	4 SH
WMNS 1103	Women's Studies	4 SH
WMNS 3441	Topics in Women's Studies	4 SH
WMNS 3451	Women's Studies Module	1 SH

Track 4: Organizations and Leadership

COMM 1231	Principles of Organizational Communication	4 SH
COMM 2531	Application of Organizational Communication	4 SH
COMM 3534	Group Communication	4 SH
COMM 4533	Consultation Skills	4 SH
HIST 2343	History of Business in America	4 SH
PSYC 3400	Personality	4 SH
PSYC 4505	Industrial/Organizational Psychology	4 SH
SOCL 1272	Social Roles in the Business World	4 SH
SOCL 1280	Sociology of Work	4 SH
SOCL 3408	Sociology of Organizations	4 SH
SOCL 3440	Sociology of Human Service Organizations	4 SH

Leadership Common Electives

A maximum of 4 semester hours may be taken from the following list to fulfill an elective requirement in any track:

COMM 1112	Public Speaking	4 SH
COMM 2303	Global and Intercultural Communication	4 SH
COMM 2310	Classical Rhetorical Theory	4 SH
COMM 2402	Presentation, Style, and Professional Communication	4 SH
COMM 3230	Interpersonal Communication	4 SH
COMM 3331	Argumentation and Debate	4 SH

COMM 3532	Theories of Conflict and Negotiation	4 SH
JRNL 3425	Public Relations Principles	4 SH
LDRS 3445	Topics in Leadership	4 SH
or complete the following (repeatable) course four times:		
LDRS 3455	Leadership Studies Module	1 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Urban Studies

The urban studies minor offers undergraduates interested in urban issues an opportunity to develop a tailor-made curriculum for their minor. Following Northeastern's tradition of practice-oriented education, the program offers opportunities to engage in urban research and to complete cooperative education placements in organizations that address urban issues (that is, community-based organizations, city government agencies, or metropolitan planning agencies). An urban studies minor complements many social science majors as well as architecture, business, and engineering. Its goal is to provide a solid background for graduate study and professional careers in urban planning and policy, social work, and related fields.

For more information, contact the program director, Professor Joan Fitzgerald (205 Holmes Hall), at 617.373.3644 or at jo.fitzgerald@neu.edu.

Minor in Urban Studies**REQUIRED COURSES**

Complete the following two courses:

POLS 2357	Growth and Decline of Cities and Suburbs	4 SH
SOCL 2358	Current Issues in Cities and Suburbs	4 SH

ELECTIVE COURSES

Complete two courses from the following list:

AFAM 1140	Introduction to African-American History	4 SH
AFAM 1270	Economic Status of Ethnic Minorities	4 SH
AFAM 2312	Black History of Boston	4 SH
AFAM 2337	African-American History before 1900	4 SH
AFAM 2338	African-American History since 1900	4 SH
AFAM 2360	Politics of Poverty	4 SH
AFAM 2399	Black Community and Social Change	4 SH
AFAM 3485	Education Issues in the Black Community	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH
ARCH 1310	History of World Architecture 1	4 SH
ARCH 1320	History of World Architecture 2	4 SH
ARCH 2330	Nineteenth-Century Architecture and Urbanism	4 SH
ARCH 2340	Twentieth-Century Architecture and Urbanism	4 SH
ARCH 2350	American Architecture	4 SH

ECON 1101	Economic Problems and Perspectives	4 SH
ECON 3420	Urban Economic Issues	4 SH
ECON 3461	Government and Business	4 SH
ECON 3470	American Economic History	4 SH
HIST 1230	Contemporary America	4 SH
HIST 2232	History of Boston	4 SH
HIST 2344	U.S. Urban History	4 SH
LPSC 3305	Law and the City	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3441	Third World Political Relations	4 SH
SOCL 1220	Sociology of Boston	4 SH
SOCL 1232	American Society	4 SH
SOCL 1247	Urban Social Problems	4 SH
SOCL 3418	Greater Boston Urban Policy Seminar	4 SH
SOCL 3455	Seminar in Urban Sociology	4 SH

GPA REQUIREMENT

3.000 GPA required in the minor

Women's, Gender, and Sexuality Studies

Northeastern offers a minor for students interested in the vibrant field of women's and gender studies. In general, our women's studies program draws on the humanities, arts, and social sciences to explore the broad range of intellectual questions concerning the social location of women and the ways in which gender is embedded not only in our everyday lives but in the theories and methods that guide our academic inquiries across all disciplines, including the natural sciences. Students are exposed to an ever-evolving body of knowledge on women, gender, and feminism. Such research and scholarship explores historical and contemporary representations of women across a wide range of disciplines as well as an exploration of the intersection of race, class, religion, ethnicity, and gender.

The women's studies program offers an undergraduate minor as well as a graduate women's studies certificate. The program's faculty is composed of 60-plus affiliate members from across 19 departments and programs among four colleges. Students are encouraged to supplement their course work with women's studies modules designed to fit their particular interests and foci. We encourage students to explore our Web site to familiarize themselves with our course offerings, distinguished faculty, international visiting scholars program, internships, study-abroad opportunities, conferences, colloquia, ongoing lecture series (Gender Matters at Northeastern), and many cosponsored events.

The women's studies program also works closely with the independent, student-run Feminist Student Organization to sponsor programs for Women's History Month and other events of special concern to women students.

For more information, contact the program director, Professor Debra R. Kaufman, in 515 Holmes Hall at 617.373.4270 or at d.kaufman@neu.edu; or women's studies staff in 524 Holmes Hall at 617.373.4984 or at l.wang@neu.edu.

Minor in Women's, Gender, and Sexuality Studies**REQUIRED COURSE**

Complete one course from the following list:

SOCL 3402	Feminist Perspectives on Society	4 SH
WMNS 1103	Women's Studies	4 SH

ELECTIVE COURSES

Complete four courses from the following list:

AFAM 1109	Foundations of Black Culture 1	4 SH	HIST 1259	Women in Jewish Culture	4 SH
AFAM 2301	Foundations of Black Culture 2	4 SH	or JWSS 2259	Women in Jewish Culture	4 SH
AFAM 2320	The Black Family	4 SH	HIST 2301	The History Seminar	4 SH
AFAM 2325	African-American Women	4 SH	HIST 2313	Gender and Revolution in Russia and China	4 SH
or HIST 2325	African-American Women	4 SH	HIST 2350	Modern China	4 SH
AFAM 2367	Race and Social Identity	4 SH	HIST 2372	Gender and Society in Modern Europe	4 SH
AFAM 4600	Contemporary Issues: Race, Science, and Technology	4 SH	HIST 4600	Topics in Women's History	4 SH
AFAM 4639	Globalism, Racism, and Human Rights	4 SH	JWSS 3460	Jewish Film	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH	LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH
AFRS 2392	African Diaspora	4 SH	LING 2350	Linguistic Analysis	4 SH
or HIST 2392	African Diaspora	4 SH	LING 3412	Language and Culture	4 SH
ANTH 2302	Gender and Sexuality: A Cross-Cultural Perspective	4 SH	LING 3442	Sociolinguistics	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH	LING 3456	Language and Gender	4 SH
ANTH 4500	Latin American Society and Development	4 SH	LITR 4565	Spanish Golden Age	4 SH
ANTH 4510	Anthropology of Africa	4 SH	MUSC 1106	Women in Music	4 SH
CINE 2150	Film Analysis	4 SH	NRSO 3302	Nursing with Women and Families	3 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH	POLS 2375	Gender and Politics	4 SH
CINE 3500	Film Theory	4 SH	PSYC 2302	Psychology of Women	4 SH
CINE 3900	Film and Psychoanalysis	4 SH	PSYC 2306	Food, Behavior, and Eating Disorders	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH	PSYC 2354	Psychology and Film	4 SH
CLTR 1280	French Film and Culture	4 SH	or CINE 2354	Psychology and Film	4 SH
CLTR 1504	Introduction to Spanish Culture	4 SH	PSYC 3464	Psychology of Language	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH	PSYC 3516	Studies in College Eating Behavior	4 SH
COMM 2304	Communication and Gender	4 SH	RELS 1104	Goddesses, Witches, Saints, and Sinners: Women in Western Religions	4 SH
COMM 4623	Theories of Media and Culture	4 SH	RELS 1271	Sex in Judaism, Christianity, and Islam	4 SH
CRIM 4010	Gender, Crime, and Justice	4 SH	RELS 1280	Islam	4 SH
ENGL 1502	Survey of American Literature 1	4 SH	RELS 2315	Adam and Eve and Their Interpreters	4 SH
ENGL 1600	Introduction to Shakespeare	4 SH	RELS 3390	Cults and Sects	4 SH
ENGL 3391	Topics in Film	4 SH	SOCL 1240	Sociology of Prejudice and Violence	4 SH
ENGL 3489	Shakespeare on Film	4 SH	SOCL 1255	Sociology of the Family	4 SH
ENGL 3600	Major Figure	4 SH	SOCL 1256	Violence in the Family	4 SH
ENGL 3671	Multiethnic Literatures of the U.S.	4 SH	SOCL 1260	Gender in a Changing Society	4 SH
ENGL 3672	Asian-American Literature	4 SH	SOCL 1268	Social Movements	4 SH
ENGL 3673	U.S. Latino/Latina Literature	4 SH	SOCL 1272	Social Roles in the Business World	4 SH
ENGL 3675	Gay and Lesbian Literature	4 SH	SOCL 1273	Sociology of Gender and Work	4 SH
ENGL 3676	Representing Gender in Literature	4 SH	SOCL 1280	Sociology of Work	4 SH
ENGL 4663	Early African-American Literature	4 SH	SOCL 1297	Sociology of Popular Culture	4 SH
ENGL 4669	Topics in Twentieth-Century American Literature	4 SH	SOCL 3402	Feminist Perspectives on Society	4 SH
HIST 1204	Third World Women	4 SH	SOCL 3437	Children and Youth in Contemporary Society	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH	SOCL 4520	Race, Class, and Gender	4 SH
			SOCL 4530	Seminar in the Family	4 SH
			WMNS 1103	Women's Studies	4 SH
			WMNS 2500	Women and Social Change in the Middle East	4 SH
			WMNS 3441	Topics in Women's Studies	4 SH
			WMNS 3451	Women's Studies Module	1 SH

GPA REQUIREMENT

2.000 GPA required in the minor

AFRICAN-AMERICAN STUDIES

www.northeastern.edu/daas

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The Department of African-American Studies is an interdisciplinary department with a mission of teaching and conducting research in social sciences and humanities fields on the historical and contemporary experience of Africans and African-Americans. The department offers a major, a minor, and a host of elective courses based in interdisciplinary approaches to the study of history, culture, language, political systems, and behaviors of peoples of African ancestry in the United States, the Caribbean, Africa, and throughout the African Diaspora. All courses are open to all students.

Two traditions encompass the department's academic thrust—African-American and African. The academic offerings center their attention on three areas of cluster studies: historical studies, cultural studies, and social and behavioral studies.

The department's areas of focus are the experiences of black people in the United States from the early days of colonization and enslavement to contemporary issues, such as hip hop culture and jazz and the experiences of Africans both in the continent of Africa and throughout the Diaspora.

Transferring to the Major

Same as college standards. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

Same as college standards.

BA in African-American Studies

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

AFRICAN-AMERICAN STUDIES MAJOR REQUIREMENTS

Introductory Courses

Complete the following three courses:

AFAM 1101	African-American Studies	4 SH
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AFAM 1109	Foundations of Black Culture 1	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH

Literature

Complete the following course:

AFAM 4663	Early African-American Literature	4 SH
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Research and Seminar

Complete the following two courses:

AFAM 4700	Advanced Seminar	4 SH
AFRS 3310	Applied Research in the African Diaspora	4 SH

Electives

Complete six African-American studies courses at the intermediate and advanced level from the following list:

AFAM 2000 to AFAM 5999

AFRS 2000 to AFRS 5999

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

AFRICAN-AMERICAN STUDIES MAJOR CREDIT REQUIREMENT

Complete 48 semester hours in the major.

UPPER-DIVISION ELECTIVES

Complete three general electives numbered 3000 or above. *Note:* Courses used as upper-division electives do not count toward the NU Core.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in African-American Studies

NU CORE REQUIREMENTS

See page 30 for requirement list.

AFRICAN-AMERICAN STUDIES MAJOR REQUIREMENTS

Introductory Courses

Complete the following three courses:

AFAM 1101	African-American Studies	4 SH
AFAM 1109	Foundations of Black Culture 1	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH

Literature

Complete the following course:

AFAM 4663	Early African-American Literature	4 SH
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Research and Seminar

Complete the following two courses:

AFAM 4700	Advanced Seminar	4 SH
AFRS 3310	Applied Research in the African Diaspora	4 SH

Electives

Complete six African-American studies courses at the intermediate and advanced level from the following list:

AFAM 2000 to AFAM 5999
AFRS 2000 to AFRS 5999

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

AFRICAN-AMERICAN STUDIES MAJOR CREDIT REQUIREMENT

Complete 48 semester hours in the major.

UPPER-DIVISION ELECTIVES

Complete three general electives numbered 3000 or above. *Note:* Courses used as upper-division electives do not count toward the NU Core.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

Minor in African-American Studies**REQUIRED COURSES**

Complete the following four courses:

AFAM 1101	African-American Studies	4 SH
AFAM 1109	Foundations of Black Culture 1	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH
AFRS 3310	Applied Research in the African Diaspora	4 SH
or AFAM 4700	Advanced Seminar	4 SH

ELECTIVE COURSE

Complete one additional course in consultation with your advisor.

GPA REQUIREMENT

2.000 GPA required in the minor

AMERICAN SIGN LANGUAGE—ENGLISH INTERPRETING

www.asl.neu.edu

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American Sign Language (ASL) is a language used by large numbers of people in the United States and Canada. By mastering ASL, students gain both access to the culture of Deaf America and insights into features of spoken language that are often taken for granted. Learning a modally different language gives students a new sense of the power of language and an appreciation of how it shapes their world. In this way, the mastery of ASL sharpens critical-thinking skills.

The goal of the program is to provide a firm foundation in language, linguistics, culture, and interpreting, plus a broad-based liberal arts education. American Sign Language courses are integral to degrees in human services with a specialization in Deaf studies and in linguistics with a focus on ASL.

Opportunities for ASL–English interpreters continue to increase, due to federal and state legislation. Graduates work as interpreters in such diverse areas as higher education, business, social service agencies, advanced technology, and theatre.

Northeastern's National and Regional Interpreter Education Centers seek to enhance the skills of interpreters currently working in the field and to increase the supply of competent interpreters throughout the United States.

BS in American Sign Language**NU CORE REQUIREMENTS**

See page 30 for requirement list.

AMERICAN SIGN LANGUAGE MAJOR REQUIREMENTS**American Sign Language**

Complete the following six courses:

AMSL 1101	Elementary ASL 1	4 SH
AMSL 1102	Elementary ASL 2	4 SH
AMSL 2101	Intermediate ASL 1	4 SH
AMSL 2102	Intermediate ASL 2	4 SH
AMSL 3101	Advanced ASL 1	4 SH
AMSL 3102	Advanced ASL 2	4 SH

Social and Cultural World

Complete the following two courses:

DEAF 1500	Deaf People in Society	4 SH
DEAF 2500	Deaf History and Culture	4 SH

Linguistics

Complete the following two courses:

DEAF 2700	ASL Linguistics	4 SH
LING 1150	Introduction to Language and Linguistics	4 SH

Performance Interpreting

Complete the following course:

INTP 3550	Performance Interpreting— Interpreting for the Theatre	4 SH
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Interpreting

Complete the following five courses:

INTP 3500	The Interpreting Profession	2 SH
INTP 3510	Interpreting Inquiry Texts	4 SH
INTP 3515	Interpreting Narrative Texts	4 SH
INTP 4510	Interpreting Expository Texts	4 SH
INTP 4515	Interpreting Persuasive Texts	4 SH

Interpreting Practicum

Complete the following practicum:

INTP 4995	Interpreting Practicum	4 SH
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Ethics

Complete the following two courses:

INTP 4650	Ethical Decision Making	4 SH
INTP 4651	Ethical Fieldwork	2 SH

Research Capstone

Complete the following capstone course:

INTP 4940	Interpreting Research Practicum	4 SH
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EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

AMERICAN SIGN LANGUAGE MAJOR GPA REQUIREMENT

Minimum 2.750 GPA required in all ASL courses

Minimum 2.500 overall GPA required

AMERICAN SIGN LANGUAGE CREDIT REQUIREMENT

Complete 76 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in American Sign Language and Human Services**NU CORE REQUIREMENTS**

See page 30 for requirement list.

AMERICAN SIGN LANGUAGE AND HUMAN SERVICES COMBINED-MAJOR REQUIREMENTS**American Sign Language**

Complete the following six courses:

AMSL 1101	Elementary ASL 1	4 SH
AMSL 1102	Elementary ASL 2	4 SH
AMSL 2101	Intermediate ASL 1	4 SH
AMSL 2102	Intermediate ASL 2	4 SH
AMSL 3101	Advanced ASL 1	4 SH
AMSL 3102	Advanced ASL 2	4 SH

Social and Cultural World

Complete the following two courses:

DEAF 1500	Deaf People in Society	4 SH
DEAF 2500	Deaf History and Culture	4 SH

Linguistics

Complete the following two courses:

DEAF 2700	ASL Linguistics	4 SH
LING 1150	Introduction to Language and Linguistics	4 SH

Performance Interpreting

Complete the following course:

INTP 3500	The Interpreting Profession	2 SH
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Interpreting

Complete the following course:

INTP 3510	Interpreting Inquiry Texts	4 SH
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Human Services

Complete the following five courses:

HUSV 1101	Human Services Professions	4 SH
HUSV 2300	Counseling in Human Services	4 SH
HUSV 4700	Senior Seminar in Human Services	4 SH
PSYC 1101	Foundations of Psychology	4 SH
SOCL 1101	Introduction to Sociology	4 SH

Research

Complete one of the following courses:

HUSV 3700	Research Methods for Human Services	4 SH
HUSV 4945	Leadership and International Program Development	4 SH
SOCL 2324	Human Services Research and Evaluation	4 SH

Policy

Complete one of the following courses:

HUSV 3900	Introduction to Social Policy	4 SH
PHTH 2350	Community and Public Health	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 3307	Public Policy and Administration	4 SH

Organizations

Complete one of the following courses:

HUSV 3570	Strategic Philanthropy and Nonprofit Management	4 SH
POLS 2334	Bureaucracy and Government Organizations	4 SH
SOCL 3408	Sociology of Organizations	4 SH
SOCL 3440	Sociology of Human Service Organizations	4 SH

Integrative Course Work

Complete the two integrative courses below:

HUSV 4994	Human Services Internship	6 SH
INTP 4940	Interpreting Research Practicum	4 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

AMERICAN SIGN LANGUAGE AND HUMAN SERVICES COMBINED-MAJOR GPA REQUIREMENT

Minimum 2.750 GPA required in all ASL courses

Minimum 2.500 overall GPA required

AMERICAN SIGN LANGUAGE AND HUMAN SERVICES COMBINED-MAJOR CREDIT REQUIREMENT

Complete 88 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in American Sign Language and Psychology**NU CORE REQUIREMENTS**

See page 30 for requirement list.

AMERICAN SIGN LANGUAGE AND PSYCHOLOGY COMBINED-MAJOR REQUIREMENTS**American Sign Language**

Complete the following five courses:

AMSL 1101	Elementary ASL 1	4 SH
AMSL 1102	Elementary ASL 2	4 SH
AMSL 2101	Intermediate ASL 1	4 SH
AMSL 2102	Intermediate ASL 2	4 SH
AMSL 3101	Advanced ASL 1	4 SH

Social and Cultural World

Complete the following two courses:

DEAF 1500	Deaf People in Society	4 SH
DEAF 2500	Deaf History and Culture	4 SH

Linguistics

Complete the following two courses:

DEAF 2700	ASL Linguistics	4 SH
LING 1150	Introduction to Language and Linguistics	4 SH

Performance Interpreting

Complete the following course:

INTP 3500	The Interpreting Profession	2 SH
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Interpreting

Complete the following course:

INTP 3510	Interpreting Inquiry Texts	4 SH
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Psychology

Complete the following four courses:

PSYC 1101	Foundations of Psychology	4 SH
PSYC 2320	Statistics in Psychological Research	4 SH
PSYC 3464	Psychology of Language	4 SH
or PSYC 3466	Cognition	4 SH
PSYC 4524	Cognitive Development	4 SH

Psychology Lab or Directed Study

Complete one additional psychology lab or one psychology directed study:

LAB

AFAM 4618	Laboratory in Community Psychology	4 SH
PSYC 3536	Developing Education and Intervention Programs for Eating Disorders	4 SH
PSYC 4600	Research Design in Psychology	4 SH
PSYC 4602	Experiments in Learning and Motivation	4 SH
PSYC 4604	Laboratory in Learning and Motivation	4 SH
PSYC 4606	Laboratory in Psychobiology	4 SH
PSYC 4608	Laboratory in Animal Behavior Research	4 SH
PSYC 4610	Laboratory in Psycholinguistics	4 SH
PSYC 4612	Laboratory in Cognition	4 SH
PSYC 4614	Laboratory in Social Psychology	4 SH
PSYC 4616	Laboratory in Personality	4 SH
PSYC 4620	Laboratory in Industrial/Organizational Psychology	4 SH
PSYC 4622	Laboratory in Sensation and Perception	4 SH

DIRECTED STUDY

PSYC 4992	Directed Study	4 SH
PSYC 4996	Experiential Education Directed Study	4 SH

Personal/Social Bases of Behavior (Area A)

Complete two courses from the following list:

PSYC 3400	Personality	4 SH
PSYC 3402	Social Psychology	4 SH
PSYC 3404	Developmental Psychology	4 SH
PSYC 3406	Abnormal Psychology	4 SH

Biological/Cognitive Bases of Behavior (Area B)

Complete one course from the following list:

PSYC 3450	Learning and Motivation	4 SH
PSYC 3452	Sensation and Perception	4 SH
PSYC 3458	Psychobiology	4 SH
PSYC 3464	Psychology of Language	4 SH
or PSYC 3466	Cognition	4 SH

Integrative Course Work

Complete the two integrative courses below:

INTP 4940	Interpreting Research Practicum	4 SH
PSYC 4658	Seminar in Psycholinguistics	4 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

AMERICAN SIGN LANGUAGE AND PSYCHOLOGY COMBINED-MAJOR GPA REQUIREMENT

Minimum 2.750 GPA required in all ASL courses

Minimum 2.500 overall GPA required

AMERICAN SIGN LANGUAGE AND PSYCHOLOGY COMBINED-MAJOR CREDIT REQUIREMENT

Complete 82 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in American Sign Language and Theatre**NU CORE REQUIREMENTS**

See page 30 for requirement list.

AMERICAN SIGN LANGUAGE AND THEATRE COMBINED-MAJOR REQUIREMENTS**American Sign Language**

Complete the following five courses:

AMSL 1101	Elementary ASL 1	4 SH
AMSL 1102	Elementary ASL 2	4 SH
AMSL 2101	Intermediate ASL 1	4 SH
AMSL 2102	Intermediate ASL 2	4 SH
AMSL 3101	Advanced ASL 1	4 SH

Social and Cultural World

Complete the following two courses:

DEAF 1500	Deaf People in Society	4 SH
DEAF 2500	Deaf History and Culture	4 SH

Linguistics

Complete the following two courses:

DEAF 2700	ASL Linguistics	4 SH
LING 1150	Introduction to Language and Linguistics	4 SH

Performance Interpreting

Complete the following course:

INTP 3550	Performance Interpreting— Interpreting for the Theatre	4 SH
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Interpreting

Complete the following course:

INTP 3500	The Interpreting Profession	2 SH
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Theatre

Complete the following ten courses. A minimum grade of C is required for all theatre courses:

THTR 1101	Art of the Theatre	4 SH
THTR 1120	Acting 1	4 SH
THTR 1131	Technical Theatre 1	4 SH
THTR 1250	Voice and Movement 1 for Theatre	4 SH
THTR 1270	Theatrical Design	4 SH
THTR 2300	Theatre History	4 SH
THTR 2325	Script Analysis for the Stage	4 SH
THTR 3550	Concepts of Directing	4 SH
THTR 4701	Rehearsal and Performance	4 SH
THTR 4804	Theatre Practicum	1 SH

Elective

Complete one of the following courses:

THTR 2335	Contemporary Theatre	4 SH
THTR 3450	Shakespeare in Performance	4 SH
THTR 3500	Dramatic Theory/Criticism	4 SH

Integrative Course Work

Complete the two integrative courses below:

INTP 4940	Interpreting Research Practicum	4 SH
THTR 4804	Theatre Practicum	1 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

AMERICAN SIGN LANGUAGE AND THEATRE COMBINED-MAJOR GPA REQUIREMENT

Minimum 2.750 GPA required in all ASL courses

Minimum 2.500 overall GPA required

AMERICAN SIGN LANGUAGE AND THEATRE COMBINED-MAJOR CREDIT/GRADE REQUIREMENT

Complete 88 semester hours in the major. A minimum grade of C is required for all theatre courses.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

Minor in American Sign Language**REQUIRED COURSES**

Complete the following two courses:

CLTR 1120	Introduction to Languages, Literature, and Culture	4 SH
DEAF 1500	Deaf People in Society	4 SH

REQUIRED LANGUAGE COURSES

Complete the following four courses. Students with prior skills in American Sign Language are allowed to waive up to four AMSL courses:

AMSL 1101	Elementary ASL 1	4 SH
AMSL 1102	Elementary ASL 2	4 SH
AMSL 2101	Intermediate ASL 1	4 SH
AMSL 2102	Intermediate ASL 2	4 SH

ELECTIVE

Complete one course from the following list:

AMSL 3101	Advanced ASL 1	4 SH
AMSL 3102	Advanced ASL 2	4 SH
AMSL 3900	Specialized Instruction in ASL	4 SH
AMSL 4900	Specialized Instruction in ASL	4 SH
AMSL 4992	Directed Study	4 SH
AMSL 4993	Independent Study	4 SH
DEAF 1550	Dynamics of the Deaf/Blind Community: Culture, History, and Communication	4 SH
DEAF 2500	Deaf History and Culture	4 SH
DEAF 2700	ASL Linguistics	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

ASIAN STUDIES

www.interdisciplinary.neu.edu

CHRISTINA GILMARTIN, PHD

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The Asian studies major at Northeastern offers undergraduates a broad liberal arts education in the histories, politics, cultures, and societies of Asia, particularly China and Japan. It is designed to promote a cosmopolitan understanding of the regional, national, and local cultures in the fastest growing continent in the world. Asian studies students are asked to complete two years of an Asian language in addition to pursuing a rigorous course of study covering a number of disciplines and national traditions. Our interdisciplinary program is based on an excellent core of faculty who are drawn from seven departments (languages, literatures, and cultures; English; history; music; political science; philosophy and religion; and sociology and anthropology) and the World Languages Center. Our students are strongly encouraged to accelerate their language acquisition process and gain firsthand knowledge of Asian cultures and societies through participation in a University-sponsored study-abroad program, an international co-op, a Dialogue of Civilizations program, or an experiential learning experience. Students can also take advantage of the outstanding Asian cultural resources available in the Boston metropolitan area, particularly at the Museum of Fine Arts and the Peabody Essex Museum in Salem.

Transferring to the Major

Same as college standards. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

Same as college standards.

BA in Asian Studies**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

ASIAN STUDIES REQUIREMENTS**Required Courses**

Complete the following two courses:

ASNS 1150	East Asian Studies	4 SH
HIST 1110	Introduction to World History	4 SH

Course Work outside East Asia

Complete one of the following courses:

ANTH 4515	Anthropology of South Asia	4 SH
HIST 1189	Introduction to South Asian History	4 SH
RELS 1250	Jesus in the Gospels, American Culture, and the Movies	4 SH
RELS 1276	Indian Religions	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH

Language Courses

Complete four of the following courses in either Chinese or Japanese:

CHINESE

CHNS 1101	Elementary Chinese 1	4 SH
or CHNS 1201	Elementary Chinese 1—BSIB	4 SH
or CHNS 1301	Elementary Chinese Immersion 1	4 SH
CHNS 1102	Elementary Chinese 2	4 SH
or CHNS 1202	Elementary Chinese 2—BSIB	4 SH
or CHNS 1302	Elementary Chinese Immersion 2	4 SH
CHNS 2101	Intermediate Chinese 1	4 SH
or CHNS 2201	Intermediate Chinese 1—BSIB	4 SH
or CHNS 2301	Intermediate Chinese Immersion 1	4 SH
CHNS 2102	Intermediate Chinese 2	4 SH
or CHNS 2202	Intermediate Chinese 2—BSIB	4 SH
or CHNS 2302	Intermediate Chinese Immersion 2	4 SH

JAPANESE

JPNS 1101	Elementary Japanese 1	4 SH
or JPNS 1301	Elementary Japanese Immersion 1	4 SH
JPNS 1102	Elementary Japanese 2	4 SH
or JPNS 1302	Elementary Japanese Immersion 2	4 SH
JPNS 2101	Intermediate Japanese 1	4 SH
or JPNS 2301	Intermediate Japanese Immersion 1	4 SH
JPNS 2102	Intermediate Japanese 2	4 SH
or JPNS 2302	Intermediate Japanese Immersion 2	4 SH

Capstone

Complete one of the following capstone courses:

ASNS 4900	Asian Studies Capstone Directed Study	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH
ASNS 4920	Asian Studies Capstone Seminar	4 SH

Asian Studies Electives

Complete six courses from the following list:

ASNS 1990	Elective	4 SH
ASNS 2245	Asian-American History	4 SH
ASNS 2990	Elective	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH
ASNS 4970	Junior/Senior Honors Project 1	4 SH
ASNS 4971	Junior/Senior Honors Project 2	4 SH
ASNS 4990	Elective	4 SH
ASNS 4992	Directed Study	4 SH
ASNS 4993	Independent Study	4 SH
ASNS 4995	Practicum	4 SH
ASNS 4996	Experiential Education Directed Study	4 SH
CHNS 3101	Advanced Chinese 1	4 SH
or CHNS 3201	Advanced Chinese 1—BSIB	4 SH
or CHNS 3301	Advanced Chinese Immersion 1	4 SH
CHNS 3102	Advanced Chinese 2	4 SH
or CHNS 3202	Advanced Chinese 2—BSIB	4 SH
or CHNS 3302	Advanced Chinese Immersion 2	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
ENGL 3672	Asian-American Literature	4 SH
HIST 1245	Asian-American History	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1251	Modern East Asia	4 SH
HIST 1253	History of Vietnam Wars	4 SH
HIST 1254	Mao's China and After	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
HIST 2243	American Images of China	4 SH
HIST 2252	Japanese Literature and Culture	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2350	Modern China	4 SH
HIST 2351	Global Japan	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH
HIST 4650	Topics in Asian History	4 SH
HIST 4942	East Asian Cultural History Abroad	4 SH
INTL 4938	Dialogue of Civilizations: Globalization and Social Sciences	4 SH
INTL 4939	Dialogue of Civilizations: Globalization, Humanities, and Cultural Studies	4 SH
JPNS 3101	Advanced Japanese 1	4 SH
or JPNS 3301	Advanced Japanese Immersion 1	4 SH
JPNS 3102	Advanced Japanese 2	4 SH
or JPNS 3302	Advanced Japanese Immersion 2	4 SH
MUSC 1130	Music of Asia	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
RELS 1275	Eastern Religions	4 SH

RELS 1280	Islam	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH
RELS 2394	Chinese Buddhism	4 SH
RELS 2395	Japanese Buddhism	4 SH
RELS 3393	Asian Religions in the United States	4 SH
RELS 3395	Ramayana	4 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

ASIAN STUDIES MAJOR CREDIT REQUIREMENT

Complete 56 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

Minor in East Asian Studies

CORE COURSE

Complete the following course:

ASNS 1150	East Asian Studies	4 SH
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ELECTIVE COURSES

Complete four courses from the following list. They may include up to two courses taken as part of an approved study-abroad program:

ASNS 2245	Asian-American History	4 SH
CHNS 1101	Elementary Chinese 1	4 SH
CHNS 1102	Elementary Chinese 2	4 SH
CHNS 2101	Intermediate Chinese 1	4 SH
CHNS 2301	Intermediate Chinese Immersion 1	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
ENGL 3672	Asian-American Literature	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1251	Modern East Asia	4 SH
HIST 1253	History of Vietnam Wars	4 SH
HIST 1254	Mao's China and After	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
HIST 2243	American Images of China	4 SH
HIST 2252	Japanese Literature and Culture	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2350	Modern China	4 SH
HIST 2351	Global Japan	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH

HIST 4650	Topics in Asian History	4 SH
HIST 4942	East Asian Cultural History Abroad	4 SH
JPNS 1101	Elementary Japanese 1	4 SH
JPNS 1102	Elementary Japanese 2	4 SH
JPNS 2101	Intermediate Japanese 1	4 SH
MUSC 1130	Music of Asia	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH

The following courses may also be used with prior approval:

INTL 4938	Dialogue of Civilizations: Globalization and Social Sciences	4 SH
INTL 4939	Dialogue of Civilizations: Globalization, Humanities, and Cultural Studies	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in East Asian Studies—Language Track

CORE COURSE

Complete the following course:

ASNS 1150	East Asian Studies	4 SH
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REQUIRED COURSES

Complete the following two courses in either Chinese or Japanese:

Chinese

CHNS 1101	Elementary Chinese 1	4 SH
CHNS 1102	Elementary Chinese 2	4 SH

Japanese

JPNS 1101	Elementary Japanese 1	4 SH
JPNS 1102	Elementary Japanese 2	4 SH

ELECTIVE COURSES

Complete two courses from the following list. They may include up to two courses taken as part of an approved study-abroad program:

ASNS 2245	Asian-American History	4 SH
CHNS 2101	Intermediate Chinese 1	4 SH
CHNS 2301	Intermediate Chinese Immersion 1	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
ENGL 3672	Asian-American Literature	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1251	Modern East Asia	4 SH
HIST 1253	History of Vietnam Wars	4 SH
HIST 1254	Mao's China and After	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
HIST 2243	American Images of China	4 SH
HIST 2252	Japanese Literature and Culture	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH

HIST 2350	Modern China	4 SH
HIST 2351	Global Japan	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH
HIST 4650	Topics in Asian History	4 SH
HIST 4942	East Asian Cultural History Abroad	4 SH
JPNS 2101	Intermediate Japanese 1	4 SH
MUSC 1130	Music of Asia	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH

The following courses may also be used with prior approval:

INTL 4938	Dialogue of Civilizations: Globalization and Social Sciences	4 SH
INTL 4939	Dialogue of Civilizations: Globalization, Humanities, and Cultural Studies	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

SCHOOL OF CRIMINOLOGY AND CRIMINAL JUSTICE

www.cj.neu.edu

CHESTER L. BRITT, PHD

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The School of Criminology and Criminal Justice was established in 1967 as one of the first schools of its kind devoted to matters of crime and justice. The school is a leading force in education, research, and policymaking in both the public and the private sectors of the criminal justice field.

The School of Criminology and Criminal Justice seeks to prepare students for professional and research careers in criminology, criminal justice, and related fields by applying multidisciplinary and comparative social science to understand, predict, and explain crime as well as to contribute to the development of public policy on crime and justice issues. Using an active learning approach, the school seeks to develop its students intellectually and ethically, while providing them with a keen appreciation of the complexities of crime and of the public and private efforts to make communities safer and to ensure justice.

The world of criminal justice is much more than police officers, corrections officials, criminal defense lawyers, or security and loss prevention personnel. At the School of Criminology and Criminal Justice, the boundaries of criminal justice have expanded beyond traditional views of the field to include emphases on law and justice, organizations and leadership, global criminology, and crime policy. Criminal justice education today is about more than the criminal; it involves understanding the victim and the community: repairing harm, reducing fear, rebuilding safe communities, and assuring justice in spirit and act.

The School of Criminology and Criminal Justice has had a long-standing attachment and commitment to improving justice system agencies, including private security. The school actively engages external partners in an ongoing conversation about research, community service, and salient policy questions. Part of this dialogue is supported by an ongoing program of applied and social science research. Much of this research focuses on evaluating existing government crime-control programs and policies to determine whether they work, as well as inquiries about the etiology and prevention of crime. In addition, much of our research examines the unintended consequences of policy: institutionalized racism, exclusion of certain groups, and so forth. In every case, the research conducted at Northeastern is approached with ethical sensitivity and scientific rigor.

Criminology and criminal justice, as social sciences, began in the early part of the twentieth century. Nearly one hundred years old, the field has blossomed in large part through the ingenuity of several notable scholars. The School of Criminology and Criminal Justice is pleased to be home to many of the country's preeminent contemporary scholars. School of Criminology and Criminal Justice faculty members regularly present at scholarly conferences, national and international seminars, and to policymakers worldwide.

Academic Progression Standards

Students are required to maintain the following overall grade-point average and minimum earned semester hours to advance to the next class standing and to graduate.

	Minimum GPA	Minimum Semester Hours to Advance
Sophomore	1.800	28
Middler	2.000	52
Junior	2.000	80
Senior	2.000	96
To graduate	2.000	132

Graduation Requirements

Degree candidates must complete all prescribed work, a total of 132 semester hours of credit. Students are also urged to meet the requirements of the Department of Cooperative Education.

Transfer Credit

A student transferring from another college or university must be in residence at Northeastern at least 32 of the final 40 semester hours to receive a degree.

BS in Criminal Justice

NU CORE REQUIREMENTS

See page 30 for requirement list.

BREADTH COURSES FOR CRIMINAL JUSTICE

Computer Science

Complete the following course:

CS 1100	Computer Science and Its Applications	4 SH
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Mathematics

Complete the following course:

MATH 1215	Mathematical Thinking	4 SH
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Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Sociology

Complete the following course:

SOCL 1101	Introduction to Sociology	4 SH
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CRIMINAL JUSTICE SEQUENCE REQUIREMENT AND REQUIRED ELECTIVES OUTSIDE CRIMINAL JUSTICE

40 semester hours must be earned from the combination of the criminal justice sequence requirement and required electives outside criminal justice.

Criminal Justice Sequence Requirement

Complete three courses from the same department, two of which must be numbered 2000 or above.

Required Electives Outside Criminal Justice

Complete courses in departments outside criminal justice such that 40 semester hours are earned from the combination of these courses and the criminal justice sequence requirement.

CRIMINAL JUSTICE MAJOR REQUIREMENTS

Criminal Justice Core Requirements

Complete the following five courses:

CRIM 1100	Introduction to Criminal Justice	4 SH
CRIM 2100	Criminal Due Process	4 SH
CRIM 2200	Criminology	4 SH
CRIM 3600	Criminal Justice Research Methods	4 SH
CRIM 3700	Criminal Justice Statistics	4 SH

Diversity

Complete the following course:

CRIM 1200	Ethics, Values, and Diversity	4 SH
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CRIMINAL JUSTICE INTEGRATED LEARNING CORE

Introduction to College

Complete the following course:

CRIM 1000	College: An Introduction	1 SH
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Co-op Integration Seminar

Co-op students should complete the following three courses. Non-co-op students should complete one additional criminal justice elective with credit of at least 4 semester hours:

CRIM 2000	Co-op Integration Seminar 1	1 SH
CRIM 3000	Co-op Integration Seminar 2	1 SH
CRIM 4000	Co-op Integration Seminar 3	1 SH

Senior Capstone

Complete the following course:

CRIM 4949	Senior Capstone Seminar	4 SH
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CRIMINAL JUSTICE ELECTIVES

Survey Electives

Complete two courses from the following list:

CRIM 3100	Criminal Law	4 SH
CRIM 3200	Juvenile Justice	4 SH
CRIM 3300	Corrections	4 SH
CRIM 3400	Security	4 SH
CRIM 3500	Policing	4 SH

System-Wide Elective

Complete one course from the following list:

CRIM 4010	Gender, Crime, and Justice	4 SH
CRIM 4020	Race, Crime, and Justice	4 SH
CRIM 4030	Criminal Justice Organization and Management	4 SH
CRIM 4040	Crime Prevention	4 SH

Criminal Justice Open Electives

Complete four courses numbered 4000 or above:

CRIM 4001 to CRIM 4999

CRIMINAL JUSTICE CREDIT REQUIREMENTS

Complete 60 credit hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Human Services and Criminal Justice

See page 278.

BS/MS in Criminal Justice**NU CORE REQUIREMENTS**

See page 30 for requirement list.

BREADTH COURSES FOR CRIMINAL JUSTICE**Computer Science**

Complete the following course:

CS 1100	Computer Science and Its Applications	4 SH
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Mathematics

Complete the following course:

MATH 1215	Mathematical Thinking	4 SH
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Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Sociology

Complete the following course:

SOCL 1101	Introduction to Sociology	4 SH
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CRIMINAL JUSTICE SEQUENCE REQUIREMENT AND REQUIRED ELECTIVES OUTSIDE CRIMINAL JUSTICE

40 semester hours must be earned from the combination of the criminal justice sequence requirement and required electives outside criminal justice.

Criminal Justice Sequence Requirement

Complete three courses from the same department, two of which must be numbered 2000 or above.

Required Electives Outside Criminal Justice

Complete courses in departments outside criminal justice such that 40 semester hours are earned from the combination of these courses and the criminal justice sequence requirement.

CRIMINAL JUSTICE MAJOR REQUIREMENTS**Criminal Justice Core Requirements**

Complete the following five courses:

CRIM 1100	Introduction to Criminal Justice	4 SH
CRIM 2100	Criminal Due Process	4 SH
CRIM 2200	Criminology	4 SH
CRIM 3600	Criminal Justice Research Methods	4 SH
CRIM 3700	Criminal Justice Statistics	4 SH

Diversity

Complete the following course:

CRIM 1200	Ethics, Values, and Diversity	4 SH
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CRIMINAL JUSTICE INTEGRATED LEARNING CORE**Introduction to College**

Complete the following course:

CRIM 1000	College: An Introduction	1 SH
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Co-op Integration Seminars

Co-op students should complete the following three courses. Non-co-op students should complete one additional criminal justice elective with credit of at least 4 semester hours:

CRIM 2000	Co-op Integration Seminar 1	1 SH
CRIM 3000	Co-op Integration Seminar 2	1 SH
CRIM 4000	Co-op Integration Seminar 3	1 SH

Senior Capstone

Complete the following course:

CRIM 4949	Senior Capstone Seminar	4 SH
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CRIMINAL JUSTICE ELECTIVES**Survey Electives**

Complete two courses from the following list:

CRIM 3100	Criminal Law	4 SH
CRIM 3200	Juvenile Justice	4 SH
CRIM 3300	Corrections	4 SH
CRIM 3400	Security	4 SH
CRIM 3500	Policing	4 SH

System-Wide Elective

Complete one course from the following list:

CRIM 4010	Gender, Crime, and Justice	4 SH
CRIM 4020	Race, Crime, and Justice	4 SH
CRIM 4030	Criminal Justice Organization and Management	4 SH
CRIM 4040	Crime Prevention	4 SH

CRIMINAL JUSTICE GRADUATE COURSES**Required Graduate Courses**

Complete the following four courses with corresponding labs, as indicated:

CRIM 7200	Criminology	3 SH
CRIM 7202	The Criminal Justice Process	3 SH
CRIM 7204	Research and Evaluation Methods	3 SH
with CRIM 7205	Lab for CRIM 7204	1 SH
CRIM 7206	Statistical Analysis	3 SH
with CRIM 7207	Lab for CRIM 7206	1 SH

Law Elective

Complete one course from the following list:

CRIM 7208	Law and Society	3 SH
CRIM 7224	Law and Psychology	3 SH
CRIM 7232	Juvenile Law	3 SH
CRIM 7244	Criminal Law and Procedure	3 SH

Graduate Electives

Complete an additional 15 semester hours in criminal justice at the graduate level:

CRIM 7208 to CRIM 7996

CRIM 8400 to CRIM 8499

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required for the bachelor's degree
Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

30 total semester hours of graduate course work required
Minimum 3.000 GPA required for graduate courses

Minor in Criminal Justice**REQUIRED COURSE**

Complete the following course:

CRIM 1100 Introduction to Criminal Justice 4 SH

FOCUS

Complete either the administrative focus or the behavioral focus.

Note: Students must have completed at least 56 semester hours toward the degree before taking elective courses.

Administrative Focus

Complete the following course:

CRIM 2100 Criminal Due Process 4 SH

and complete three additional courses from the following list:

CRIM 3100	Criminal Law	4 SH
CRIM 3200	Juvenile Justice	4 SH
CRIM 3300	Corrections	4 SH
CRIM 3400	Security	4 SH
CRIM 3500	Policing	4 SH
CRIM 4010	Gender, Crime, and Justice	4 SH
CRIM 4020	Race, Crime, and Justice	4 SH
CRIM 4030	Criminal Justice Organization and Management	4 SH
CRIM 4040	Crime Prevention	4 SH
CRIM 4100	Juvenile Law	4 SH
CRIM 4110	Legal Philosophy	4 SH
CRIM 4120	Courts and Sentencing	4 SH
CRIM 4300	Community-Based Corrections	4 SH
CRIM 4310	Correctional Intervention	4 SH
CRIM 4400	Security Management, Supervision	4 SH
CRIM 4500	Police Strategy	4 SH
CRIM 4620	Organized Crime	4 SH
CRIM 4630	Political Crime and Terrorism	4 SH
CRIM 4640	Corporate and White-Collar Crime	4 SH
CRIM 4670	Comparative Criminal Justice	4 SH
CRIM 4710	Law and Psychology	4 SH

Behavioral Focus

Complete the following course:

CRIM 2200 Criminology 4 SH

and three additional courses from the following list:

CRIM 3200	Juvenile Justice	4 SH
CRIM 3300	Corrections	4 SH
CRIM 4010	Gender, Crime, and Justice	4 SH
CRIM 4020	Race, Crime, and Justice	4 SH
CRIM 4040	Crime Prevention	4 SH
CRIM 4300	Community-Based Corrections	4 SH
CRIM 4310	Correctional Intervention	4 SH

CRIM 4600	Criminal Violence	4 SH
CRIM 4610	Youth Gangs	4 SH
CRIM 4620	Organized Crime	4 SH
CRIM 4630	Political Crime and Terrorism	4 SH
CRIM 4640	Corporate and White-Collar Crime	4 SH
CRIM 4650	Victims of Crime	4 SH
CRIM 4660	Communities and Crime	4 SH
CRIM 4670	Comparative Criminal Justice	4 SH
CRIM 4700	Psychology of Crime	4 SH
CRIM 4710	Law and Psychology	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

ECONOMICS

www.economics.neu.edu

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Economics is the study of how societies produce and exchange goods and services to satisfy material needs. Undergraduates may study economics as part of a broad interest in the social sciences to develop specialized skills useful in today's complex labor market. The major in economics is also a good foundation for graduate studies in advanced economics, public policy, law, or business.

Macroeconomics, which focuses on the overall economy, deals with such problems as inflation, unemployment, growth and instability, economic development, and governmental monetary and fiscal policies.

Microeconomics examines the economic behavior of individuals, households, firms, industries, and trade among countries. It seeks to assess the economic effects of market power and environmental damage and analyzes the economic aspects of natural resources, poverty, health, income distribution, trade unions, crime, and government regulation.

Courses in economics cover international trade; the behavior of families, firms, and industries in the market economy; the environmental costs of growth; and the economic aspects of natural resources, poverty, health, labor market discrimination, trade unions, crime, and governmental oversight. International and comparative perspectives are emphasized, most directly in courses in the economic development of the developing world and economic history.

Students may pursue a BA, a BS, or a minor in economics. Additionally, economics majors in their junior year may qualify for admission to a program that combines the BA or BS with a

master's degree in economics (requires an additional 16 semester hours of course work). The department also offers combined majors with environmental studies, international affairs, mathematics, and political science.

Graduates may find jobs in major corporations; financial institutions; nonprofits; NGOs; or federal, state, and local governments. Their work may involve planning and forecasting, assessing labor needs, and undertaking financial studies. They may estimate consumer demand for new products, conduct research, teach, or provide specialized consulting services.

Transferring to the Major

Same as college standards. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

For students wishing to major in economics, the following three core courses:

ECON 2315	Macroeconomic Theory	4 SH
ECON 2316	Microeconomic Theory	4 SH
ECON 2350	Statistics	4 SH

should be completed within two semesters of qualifying to take them, i.e., within two semesters of completing the following courses:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH
MATH 1231	Calculus for Business and Economics	4 SH

In addition, one of the following courses:

ECON 3520	History of Economic Thought (for BA students)	4 SH
or ECON 3560	Applied Econometrics (for BS students)	4 SH

should be completed within two semesters of completing ECON 2315, ECON 2316, and ECON 2350.

For BS majors, grades earned in the six core courses (ECON 1115, ECON 1116, ECON 2315, ECON 2316, ECON 2350, and ECON 3560) must average to a 2.000 GPA or better.

For BA majors, grades earned in the six core courses (ECON 1115, ECON 1116, ECON 2315, ECON 2316, ECON 2350, and ECON 3520) must average to a 2.000 GPA or better.

After admission to the major, all required economics courses must be taken in the day college.

BA in Economics

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

BREADTH COURSES FOR ECONOMICS MAJOR

Calculus

Complete the following calculus course:

MATH 1231	Calculus for Business and Economics	4 SH
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Computer Science

Complete the following computer science course:

CS 1100	Computer Science and Its Applications	4 SH
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ECONOMICS MAJOR REQUIREMENTS FOR BA

Required Economics Courses

Complete the following six courses. Grades in these courses must average a minimum of 2.000:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH
ECON 2315	Macroeconomic Theory	4 SH
ECON 2316	Microeconomic Theory	4 SH
ECON 2350	Statistics	4 SH
ECON 3520	History of Economic Thought	4 SH

Senior Seminar

Complete the following senior seminar:

ECON 4692	Senior Economics Seminar	4 SH
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EXPERIENTIAL LEARNING REQUIREMENT FOR ECONOMICS

Complete one of the following courses in experiential learning, or complete study abroad or co-op:

ECON 4925	Undergraduate Teaching Experience 1	4 SH
ECON 4970	Junior/Senior Honors Project 1	4 SH
ECON 4971	Junior/Senior Honors Project 2	4 SH
ECON 4992	Directed Study	3 or 4 SH

ECONOMICS ELECTIVES FOR BA

Complete five courses in economics from the following list with no more than one at the introductory level:

Introductory

ECON 1200 to ECON 1990

Intermediate

ECON 3400 to ECON 3499

Advanced

ECON 3560	Applied Econometrics	4 SH
ECON 4600 to ECON 4681		
ECON 4915	Selected Topics in Macroeconomics 2	4 SH
ECON 4916	Selected Topics in Microeconomics 2	4 SH
ECON 4925	Undergraduate Teaching Experience 1	4 SH

ECON 4970 to ECON 4990		
ECON 4992	Directed Study	3 or 4 SH
ECON 5105	Math and Statistics for Economists	4 SH
ECON 5110	Microeconomic Theory	4 SH

ECONOMICS MAJOR CREDIT REQUIREMENT

Complete 56 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Economics

NU CORE REQUIREMENTS

See page 30 for requirement list.

BREADTH COURSES FOR ECONOMICS MAJOR

Calculus

Complete the following calculus course:

MATH 1231	Calculus for Business and Economics	4 SH
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Computer Science

Complete the following computer science course:

CS 1100	Computer Science and Its Applications	4 SH
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ECONOMICS MAJOR REQUIREMENTS FOR BS

Required Economics Courses

Complete the following six courses. Grades in these courses must average a minimum GPA of 2.000:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH
ECON 2315	Macroeconomic Theory	4 SH
ECON 2316	Microeconomic Theory	4 SH
ECON 2350	Statistics	4 SH
ECON 3560	Applied Econometrics	4 SH

Senior Seminar

Complete the following course:

ECON 4692	Senior Economics Seminar	4 SH
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EXPERIENTIAL LEARNING REQUIREMENT FOR ECONOMICS

Complete one of the following courses in experiential learning, or complete study abroad or co-op:

ECON 4925	Undergraduate Teaching Experience 1	4 SH
ECON 4970	Junior/Senior Honors Project 1	4 SH
ECON 4971	Junior/Senior Honors Project 2	4 SH
ECON 4992	Directed Study	3 or 4 SH

ECONOMICS ELECTIVES FOR BS

Complete seven courses in economics from the following list with no more than two at the introductory level:

Introductory

ECON 1200 to ECON 1990

Intermediate

ECON 3400 to ECON 3520

Advanced

ECON 4600 to ECON 4681

ECON 4915	Selected Topics in Macroeconomics 2	4 SH
ECON 4916	Selected Topics in Microeconomics 2	4 SH
ECON 4925	Undergraduate Teaching Experience 1	4 SH
ECON 4970 to ECON 4990		
ECON 4992	Directed Study	3 or 4 SH
ECON 5105	Math and Statistics for Economists	4 SH
ECON 5110	Microeconomic Theory	4 SH
ECON 5140	Applied Econometrics	4 SH

ECONOMICS MAJOR CREDIT REQUIREMENT

Complete 64 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Economics and Mathematics

NU CORE REQUIREMENTS

See page 30 for requirement list.

ECONOMICS REQUIREMENTS

Introduction to College

Complete one of the following courses:

ECON 1000	Economics at Northeastern	1 SH
MATH 1000	Mathematics at Northeastern	1 SH

Required Economics Courses

Complete the following six courses:

CS 1100	Computer Science and Its Applications	4 SH
ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH
ECON 2315	Macroeconomic Theory	4 SH
ECON 2316	Microeconomic Theory	4 SH
ECON 3560	Applied Econometrics	4 SH

Economics Electives

Complete four economics electives with not more than two at the introductory level:

INTRODUCTORY

ECON 1200 to ECON 1990

ECON 2990 Elective 4 SH

INTERMEDIATE/ADVANCED

ECON 3400 to ECON 3520

ECON 3990 Elective 4 SH

ECON 4600 to ECON 4681

ECON 4915 to ECON 4916

ECON 4925 Undergraduate Teaching Experience 1 4 SH

ECON 4970 to ECON 4990

ECON 4992 Directed Study 3 or 4 SH

MATHEMATICS REQUIREMENTS**Co-Op Reflection**

Students who elect co-op should complete one of the following courses after returning from co-op:

MATH 3000 Co-op and Experiential Learning 1 SH

Reflection Seminar 1

MATH 4000 Co-op and Experiential Learning 1 SH

Reflection Seminar 2

Required Mathematics Courses

Complete the following seven courses:

MATH 1341 Calculus 1 for Science and 4 SH

Engineering

MATH 1342 Calculus 2 for Science and 4 SH

Engineering

MATH 1365 Introduction to Mathematical 4 SH

Reasoning

MATH 2321 Calculus 3 for Science and 4 SH

Engineering

MATH 2331 Linear Algebra 4 SH

MATH 2351 Ordinary Differential Equations 4 SH

MATH 3081 Probability and Statistics 4 SH

Mathematics Electives

Complete two of the following courses:

MATH 1225 Game Theory 4 SH

MATH 3150 Real Analysis 4 SH

MATH 3532 Numerical Solutions of Differential 4 SH

Equations

MATH 4581 Statistics and Stochastic Processes 4 SH

INTEGRATIVE REQUIREMENTS**Advanced Writing in the Disciplines**

Complete one of the following courses:

ENGL 3301 Advanced Writing in the Disciplines 4 SH

ENGL 3308 Advanced Writing in the Social 4 SH

Sciences

Integrative Courses

Complete one of the following courses:

ECON 4692 Senior Economics Seminar 4 SH

MATH 4025 Applied Mathematics Capstone 4 SH

COMBINED MAJOR GPA REQUIREMENT

A GPA of 2.000 is required in the following six courses:

ECON 1115 Principles of Macroeconomics 4 SH

ECON 1116 Principles of Microeconomics 4 SH

ECON 2315 Macroeconomic Theory 4 SH

ECON 2316 Microeconomic Theory 4 SH

ECON 3560 Applied Econometrics 4 SH

MATH 3081 Probability and Statistics 4 SH

A cumulative GPA of 2.000 is required in all math courses. A grade of C or better is required in all math courses numbered 2999 or below; grades below C will not count toward the degree.

COMBINED MAJOR CREDIT REQUIREMENT

Complete 76 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Environmental Studies and Economics

See page 216.

BA in International Affairs and Economics

See page 294.

BA in Political Science and Economics

See page 324.

BS in Political Science and Economics

See page 325.

BA/MA in Economics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

BREADTH COURSES FOR ECONOMICS MAJOR**Calculus**

Complete the following calculus course:

MATH 1231 Calculus for Business and Economics 4 SH

Computer Science

Complete the following computer science course:

CS 1100 Computer Science and Its 4 SH

Applications

ECONOMICS MAJOR REQUIREMENTS FOR BA**Required Economics Courses**

Complete the following six courses. Grades in these courses must average a minimum of 2.000:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH
ECON 2315	Macroeconomic Theory	4 SH
ECON 2316	Microeconomic Theory	4 SH
ECON 2350	Statistics	4 SH
ECON 3520	History of Economic Thought	4 SH

Senior Seminar

Complete the following senior seminar:

ECON 4692	Senior Economics Seminar	4 SH
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EXPERIENTIAL LEARNING REQUIREMENT FOR ECONOMICS

Complete one of the following courses in experiential learning, or complete study abroad or co-op:

ECON 4925	Undergraduate Teaching Experience 1	4 SH
ECON 4970	Junior/Senior Honors Project 1	4 SH
ECON 4971	Junior/Senior Honors Project 2	4 SH
ECON 4992	Directed Study	3 or 4 SH

ECONOMICS ELECTIVES FOR BA

Complete five courses in economics from the following list with no more than one at the introductory level:

Introductory

ECON 1200 to ECON 1990

Intermediate

ECON 3400 to ECON 3499

Advanced

ECON 3560	Applied Econometrics	4 SH
ECON 4600 to ECON 4681		
ECON 4915	Selected Topics in Macroeconomics 2	4 SH
ECON 4916	Selected Topics in Microeconomics 2	4 SH
ECON 4925	Undergraduate Teaching Experience 1	4 SH
ECON 4970 to ECON 4990		
ECON 4992	Directed Study	3 or 4 SH
ECON 5105	Math and Statistics for Economists	4 SH
ECON 5110	Microeconomic Theory	4 SH

ECONOMICS MAJOR REQUIREMENTS FOR MA**Required Economics Courses**

Complete the following four courses:

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

Graduate Electives

Complete four graduate electives from the following range:

ECON 7200 to ECON 7740

ECONOMICS MAJOR CREDIT REQUIREMENT

Complete 80 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required for the bachelor's degree

Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

32 total semester hours of graduate course work required

Minimum 3.000 GPA required for graduate courses

BS/MA in Economics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

BREADTH COURSES FOR ECONOMICS MAJOR**Calculus**

Complete the following calculus course:

MATH 1231	Calculus for Business and Economics	4 SH
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Computer Science

Complete the following computer science course:

CS 1100	Computer Science and Its Applications	4 SH
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ECONOMICS MAJOR REQUIREMENTS FOR BS**Required Economics Courses**

Complete the following six courses. Grades in these courses must average a minimum of 2.000:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH
ECON 2315	Macroeconomic Theory	4 SH
ECON 2316	Microeconomic Theory	4 SH
ECON 2350	Statistics	4 SH
ECON 3560	Applied Econometrics	4 SH

Senior Seminar

Complete the following course:

ECON 4692	Senior Economics Seminar	4 SH
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EXPERIENTIAL LEARNING REQUIREMENT FOR ECONOMICS

Complete one of the following courses in experiential learning, or complete study abroad or co-op:

ECON 4925	Undergraduate Teaching Experience 1	4 SH
ECON 4970	Junior/Senior Honors Project 1	4 SH
ECON 4971	Junior/Senior Honors Project 2	4 SH
ECON 4992	Directed Study	3 or 4 SH

ECONOMICS ELECTIVES FOR BS

Complete seven courses in economics from the following list with no more than two at the introductory level:

Introductory

ECON 1200 to ECON 1990

Intermediate

ECON 3400 to ECON 3520

Advanced

ECON 4600 to ECON 4681

ECON 4915 Selected Topics in Macroeconomics 2 4 SH

ECON 4916 Selected Topics in Microeconomics 2 4 SH

ECON 4925 Undergraduate Teaching Experience 1 4 SH

ECON 4970 to ECON 4990

ECON 4992 Directed Study 3 or 4 SH

ECON 5105 Math and Statistics for Economists 4 SH

ECON 5110 Microeconomic Theory 4 SH

ECON 5140 Applied Econometrics 4 SH

ECONOMICS MAJOR REQUIREMENTS FOR MA**Required Economics Courses**

Complete the following four courses:

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

Graduate Electives

Complete four graduate electives from the following list:

ECON 7200 to ECON 7740

ECONOMICS MAJOR CREDIT REQUIREMENT

Complete 84 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required for the bachelor's degree

Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

32 total semester hours of graduate course work required

Minimum 3.000 GPA required for graduate courses

Minor in Economics**REQUIRED COURSES**

Complete the following three courses (macroeconomics track complete ECON 2315; microeconomics track complete ECON 2316):

ECON 1115 Principles of Macroeconomics 4 SH

ECON 1116 Principles of Microeconomics 4 SH

ECON 2315 Macroeconomic Theory 4 SH

or ECON 2316 Microeconomic Theory 4 SH

ELECTIVE COURSES

Complete three courses in economics from the following list with no more than one at the introductory level:

Introductory

ECON 1200 to ECON 1299

Intermediate

ECON 3400 to ECON 3499

Advanced

ECON 3520 History of Economic Thought 4 SH

ECON 3560 Applied Econometrics 4 SH

ECON 4600 to ECON 4699

GPA REQUIREMENT

2.000 GPA required in the minor

ENGLISH

www.english.neu.edu

LAURA GREEN, PHD

Associate Professor and Chair

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English studies at Northeastern comprise a range of fields: literary studies, rhetoric and composition, linguistics, film, and creative writing. The Department of English offers a major and three minors, as well as combined majors with cinema studies and linguistics.

The major in English surveys the historical and cultural contexts and contributions of English, American, and other Anglophone literatures from the Middle Ages through the present, providing exposure to a variety of theoretical and methodological approaches to the study of language, rhetoric, and literature.

The minor in literature provides students with a short but coherent overview of several areas of English studies. The minor in writing allows students to select freely from a range of offerings in creative, technical, and expository writing as well as rhetoric.

The interdisciplinary minor in rhetoric draws on courses in communication studies as well as English.

Course work in English offers students the opportunity to develop skills of reading, analysis, and expression in great demand in the workplace and in graduate and professional programs: the ability to interpret and evaluate a variety of texts, to evaluate and produce arguments, and to write appropriately for an audience. The major and minors are particularly suitable for students preparing for careers or graduate school in teaching and research, writing and publishing, media and communications, and any field that demands analytical ability and well-honed writing skills, such as law or business.

Transferring to the Major

Students are required to have a 2.000 GPA to transfer to the major after the freshman year. Transfer students must have at least a 2.500 GPA in their English courses within one semester of declaring the major. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the program.

Academic Progression Standards

All majors must have at least a 2.500 GPA in their English courses by the end of their sophomore year.

BA in English

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

ENGLISH MAJOR REQUIREMENTS

Literature Backgrounds

Complete the following course:

ENGL 2100	Backgrounds to English and American Literature	4 SH
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Literature Survey

Complete three courses from the following list:

ENGL 1500	Survey of British Literature 1	4 SH
ENGL 1501	Survey of British Literature 2	4 SH
ENGL 1502	Survey of American Literature 1	4 SH
ENGL 1503	Survey of American Literature 2	4 SH

Shakespeare Course

Complete one course from the following list:

ENGL 1600	Introduction to Shakespeare	4 SH
ENGL 3489	Shakespeare on Film	4 SH
ENGL 3612	Shakespeare's Comedies	4 SH
ENGL 3613	Shakespeare's Tragedies	4 SH
ENGL 3614	Topics in Shakespeare	4 SH

Major Figure Course

Complete one course from the following list:

ENGL 3600	Major Figure	4 SH
ENGL 3607	Chaucer	4 SH
ENGL 3608	Topics in Chaucer	4 SH
ENGL 3618	Milton	4 SH

Literary Periods

Complete one course from three different century groups:

LITERATURE FROM THE ELEVENTH TO FIFTEENTH CENTURIES

Complete one course from the following list:

ENGL 4605	Medieval English Literature	4 SH
ENGL 4606	Topics in Medieval Literature	4 SH

LITERATURE IN THE SIXTEENTH CENTURY

Complete one course from the following list:

ENGL 4609	Topics in Sixteenth-Century British Literature	4 SH
ENGL 4610	Sixteenth-Century British Literature	4 SH

LITERATURE IN THE SEVENTEENTH CENTURY

Complete one course from the following list:

ENGL 4616	Topics in Seventeenth-Century British Literature	4 SH
ENGL 4617	Seventeenth-Century British Literature	4 SH

LITERATURE IN THE EIGHTEENTH CENTURY

Complete one course from the following list:

ENGL 4619	Eighteenth-Century British Literature	4 SH
ENGL 4620	Topics in Eighteenth-Century British Literature	4 SH
ENGL 4661	Early American Literature	4 SH
ENGL 4663	Early African-American Literature	4 SH
ENGL 4664	Topics in Eighteenth-Century American Literature	4 SH

LITERATURE IN THE NINETEENTH CENTURY

Complete one course from the following list:

ENGL 4519	American Novels 1	4 SH
ENGL 4621	Romantic Poetry	4 SH
ENGL 4622	Topics in Romantic Literature	4 SH
ENGL 4624	Victorian Literature	4 SH
ENGL 4625	Topics in Victorian Literature	4 SH
ENGL 4626	Nineteenth-Century British Fiction	4 SH
ENGL 4627	Topics in Nineteenth-Century British Literature	4 SH
ENGL 4663	Early African-American Literature	4 SH
ENGL 4665	The American Renaissance	4 SH
ENGL 4666	Topics in Nineteenth-Century American Literature	4 SH
ENGL 4667	American Realism	4 SH

LITERATURE IN THE TWENTIETH CENTURY

Complete one course from the following list:

CINE 2394	Modern Film	4 SH
ENGL 3408	The Modern Bestseller	4 SH
ENGL 3671	Multiethnic Literatures of the U.S.	4 SH
ENGL 3672	Asian-American Literature	4 SH
ENGL 3673	U.S. Latino/Latina Literature	4 SH
ENGL 3674	American Indian Literature	4 SH
ENGL 4520	American Novels 2	4 SH
ENGL 4630	Major Twentieth-Century British Novelists	4 SH
ENGL 4631	Twentieth-Century British Literature	4 SH
ENGL 4668	Modern American Literature	4 SH
ENGL 4669	Topics in Twentieth-Century American Literature	4 SH
ENGL 4670	Modern African-American Literature	4 SH
ENGL 4671	The Modern Short Story	4 SH
ENGL 4672	The Modern Novel	4 SH
ENGL 4673	Modern Drama	4 SH
ENGL 4674	Modern Poetry	4 SH
ENGL 4676	Contemporary American Literature	4 SH
ENGL 4678	Contemporary Poetry	4 SH
ENGL 4679	Contemporary Fiction	4 SH
ENGL 4683	Postcolonial Literature	4 SH
ENGL 4684	Topics in Postcolonial Literature	4 SH

Literary Criticism, Linguistics, or Rhetoric

Complete one course from any of the categories below:

CRITICISM

ENGL 3337	Literary Theory	4 SH
ENGL 3339	Topics in Literary Criticism	4 SH

LINGUISTICS

LING 1150	Introduction to Language and Linguistics	4 SH
LING 2350	Linguistic Analysis	4 SH
LING 3450	Syntax	4 SH
LING 3452	Semantics	4 SH
LING 3454	History of English	4 SH
LING 3456	Language and Gender	4 SH
LING 3458	Topics in Linguistics	4 SH

RHETORIC

ENGL 1160	Introduction to Rhetoric	4 SH
ENGL 3322	Topics in Rhetoric	4 SH
ENGL 3325	Rhetoric of Law	4 SH

Capstone Seminar

Complete one of the following courses:

ENGL 4710	Junior/Senior Seminar	4 SH
LING 4654	Seminar in Linguistics	4 SH

English Electives

Complete two ENGL courses that are not part of the BA core writing requirements; CINE courses from the following may also be used:

CINE 2256	Culture of the Body: Cinematic Representations	4 SH
CINE 2355	Film and Madness	4 SH
CINE 2394	Modern Film	4 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH
CINE 3395	American Film Survey	4 SH

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning from the list below or study abroad through NU's international study program.

Experiential Learning Course Work

ENGL 3381	The Writing Process	4 SH
ENGL 3382	Publication Arts	4 SH
ENGL 4694	Topics in Experiential Education	4 SH
ENGL 4994	Internship	4 SH

Study Abroad

Complete a semester abroad or one Dialogue of Civilizations experience.

ENGLISH MAJOR CREDIT REQUIREMENT

Complete 56 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Cinema Studies and English

See page 61.

BA in Linguistics and English

See page 225.

BA/MA in English

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

Minor in Literature

ENGLISH SURVEY COURSE

Complete one course from the following list:

ENGL 1500	Survey of British Literature 1	4 SH
ENGL 1501	Survey of British Literature 2	4 SH
ENGL 1502	Survey of American Literature 1	4 SH
ENGL 1503	Survey of American Literature 2	4 SH

BACKGROUNDS OR SHAKESPEARE

Complete one course from the following list:

ENGL 1600	Introduction to Shakespeare	4 SH
ENGL 2100	Backgrounds to English and American Literature	4 SH
ENGL 3489	Shakespeare on Film	4 SH
ENGL 3612	Shakespeare's Comedies	4 SH
ENGL 3613	Shakespeare's Tragedies	4 SH
ENGL 3614	Topics in Shakespeare	4 SH

LITERARY CRITICISM, LINGUISTICS, OR RHETORIC

Complete one course from the following list:

ENGL 1160	Introduction to Rhetoric	4 SH
ENGL 3322	Topics in Rhetoric	4 SH
ENGL 3325	Rhetoric of Law	4 SH
ENGL 3337	Literary Theory	4 SH
ENGL 3339	Topics in Literary Criticism	4 SH
LING 1150	Introduction to Language and Linguistics	4 SH
LING 2350	Linguistic Analysis	4 SH
LING 3450	Syntax	4 SH
LING 3452	Semantics	4 SH
LING 3454	History of English	4 SH
LING 3456	Language and Gender	4 SH
LING 3458	Topics in Linguistics	4 SH
LING 4654	Seminar in Linguistics	4 SH

ELECTIVE

Complete one ENGL course or one of the CINE courses listed below. *Note:* The following ENGL courses may not be used for this requirement: ENGL 1000, ENGL 1101, ENGL 1102, ENGL 1110, ENGL 1111, ENGL 3300 through ENGL 3311, ENGL 3313, and ENGL 3319.

CINE 2256	Culture of the Body: Cinematic Representations	4 SH
CINE 2355	Film and Madness	4 SH
CINE 2394	Modern Film	4 SH
CINE 3392	Women and Film: The Gendered Gaze	4 SH
CINE 3395	American Film Survey	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Writing

WRITING COURSES

Complete four courses from the following list:

CINE 3389	Screenwriting	4 SH
ENGL 1160	Introduction to Rhetoric	4 SH
ENGL 3320	Technical Communication 1	4 SH
ENGL 3321	Technical Communication 2	4 SH
ENGL 3322	Topics in Rhetoric	4 SH
ENGL 3323	Topics in Technical Communication	4 SH
ENGL 3325	Rhetoric of Law	4 SH
ENGL 3372	Creative Writing	4 SH
ENGL 3377	Poetry Workshop	4 SH
ENGL 3378	Fiction Workshop	4 SH
ENGL 3379	Nonfiction Workshop	4 SH
ENGL 3380	Topics in Writing	4 SH
ENGL 3381	The Writing Process	4 SH
ENGL 3382	Publication Arts	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Rhetoric

See page 76.

HISTORY

www.history.neu.edu

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History is the study of the causes and consequences of changes in human events across time. Like other liberal arts disciplines, historical study trains students to think critically by reading, writing about, and discussing the human experience. History stimulates a deeper understanding of today's cultures by considering them in a global context. The goal of the study of history is to help students develop powers of judgment and expression that will propel them to future leadership positions in education, the professions, government and public service, international organizations, communications, and business.

The Department of History offers a broad-based Bachelor of Arts major and two Bachelor of Science options. One BS option emphasizes training in the social sciences and includes the study of research methods as well as a minor in fields such as English, economics, political science, sociology, cinema studies, East Asian studies, or women's studies. The other BS option seeks to

prepare students for public history fields such as museum administration, archival management, or historic preservation. The Department of History participates in numerous interdisciplinary programs, including East Asian studies; cinema studies; environmental studies; international affairs; Jewish studies; Latino/a, Latin American, and Caribbean studies; and women's studies.

All history majors take introductory courses in European, world, American, Middle Eastern, or East Asian history; an introductory course in historical methods; and advanced courses in a range of historical themes, periods, and regions. Students focus their studies by choosing a cluster of four courses in a particular geographical area, time period, or theme. The program emphasizes undergraduate research in the major and trains students to conduct research in archives and primary sources and to write research papers. Honors study is strongly encouraged for eligible students, as is study abroad. Advanced undergraduates have the opportunity to participate in individual directed study with members of the faculty on topics of mutual interest. Cooperative education placements, fieldwork, internships, and other experiential learning activities are also available. Undergraduates who plan to teach in public schools may combine history with education courses that can lead to state certification in Massachusetts.

The Department of History offers qualified undergraduates the opportunity to pursue a BA/MA or BS/MA degree in five years, with the approval of the department. Students with a minimum 3.330 cumulative GPA and minimum 3.500 GPA in required history courses may apply for admission to the five-year MA program in history.

Transferring to the Major

Same as college standards. Acceptance into the major is based on students' ability to meet the department's criteria for admission and the availability of space in the program.

Academic Progression Standards

Same as college standards.

BA in History

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

HISTORY MAJOR REQUIREMENTS

Introductory History

Complete the following course:

HIST 1201	The History Colloquium	4 SH
and two additional courses from the following list:		
AFAM 1140	Introduction to African-American History	4 SH
ASNS 1150	East Asian Studies	4 SH
HIST 1110	Introduction to World History	4 SH

HIST 1120	Introduction to Public History	4 SH
HIST 1130	Introduction to American History	4 SH
HIST 1170	Introduction to European History	4 SH
HIST 1180	African History	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH
HIST 1187	Introduction to Latin American History	4 SH
HIST 1189	Introduction to South Asian History	4 SH
WMNS 1103	Women's Studies	4 SH

History Seminar and Historical Writing

Complete the following two courses concurrently:

HIST 2301	The History Seminar	4 SH
with HIST 2302	Historical Writing	1 SH

HISTORY CLUSTER

In conjunction with your history advisor, define a history cluster by the first semester of your junior year of study. A cluster comprises four history courses with no more than two courses in the 1200–1299 range.

ADDITIONAL HISTORY REQUIREMENTS

Pre-1800 Course

Complete one course from the following list. This course may count toward the history cluster or history elective:

AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH
HIST 1210	Atlantic Connection	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1252	Japanese Literature and Culture	4 SH
HIST 1270	Ancient Greece	4 SH
HIST 1271	Ancient Rome	4 SH
HIST 1272	The Invention of Europe 500–1500	4 SH
HIST 1273	Belief in Magic and Science in Europe	4 SH
HIST 1285	Introduction to Russian Civilization	4 SH
HIST 2222	History of Science and Technology	4 SH
HIST 2310	Spread of Buddhism	4 SH
HIST 2330	Colonial and Revolutionary America	4 SH
HIST 2370	Renaissance to Enlightenment	4 SH
HIST 2375	Culture and Identity in Early Modern England	4 SH
HIST 2393	Islam and Empires	4 SH
HIST 3411	Environment in the Age of Discovery	4 SH
HIST 3475	The Culture of Europe	4 SH

Capstone or Project

Complete one of the following courses:

HIST 4701	Capstone Seminar	4 SH
HIST 4911	Senior Project 1	4 SH
HIST 4912	Senior Project 2	4 SH

INTERMEDIATE/ADVANCED HISTORY COURSE REQUIREMENT

A minimum of three courses from the above requirements must be numbered HIST 2303 or higher. These courses may count toward the history cluster.

EXPERIENTIAL LEARNING REQUIREMENT

The following course:

HIST 2301 The History Seminar 4 SH
fulfills the University's experiential learning requirement.

HISTORY MAJOR CREDIT REQUIREMENT

Complete 41 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in History

NU CORE REQUIREMENTS

See page 30 for requirement list.

HISTORY MAJOR REQUIREMENTS

Introductory History

Complete the following course:

HIST 1201 The History Colloquium 4 SH

and two additional courses from the following list:

AFAM 1140 Introduction to African-American History 4 SH

ASNS 1150 East Asian Studies 4 SH

HIST 1110 Introduction to World History 4 SH

HIST 1120 Introduction to Public History 4 SH

HIST 1130 Introduction to American History 4 SH

HIST 1170 Introduction to European History 4 SH

HIST 1180 African History 4 SH

HIST 1185 Introduction to Middle Eastern History 4 SH

HIST 1187 Introduction to Latin American History 4 SH

HIST 1189 Introduction to South Asian History 4 SH

WMNS 1103 Women's Studies 4 SH

History Seminar and Historical Writing

Complete the following two courses concurrently:

HIST 2301 The History Seminar 4 SH

with HIST 2302 Historical Writing 1 SH

HISTORY CLUSTER

In conjunction with your history advisor, define a history cluster by the first semester of your junior year of study. A cluster comprises four history courses with no more than two courses in the 1200–1299 range.

ADDITIONAL HISTORY REQUIREMENTS

Pre-1800 Course

Complete one course from the following list. This course may count toward the history cluster:

AFRS 2390 Africa and the World in Early Times 4 SH

or HIST 2390 Africa and the World in Early Times 4 SH

AFRS 2391 Modern African Civilization 4 SH

AFRS 2392 African Diaspora 4 SH

HIST 1250 Emergence of East Asia 4 SH

HIST 1270 Ancient Greece 4 SH

HIST 1271 Ancient Rome 4 SH

HIST 1272 The Invention of Europe 500–1500 4 SH

HIST 1273 Belief in Magic and Science in Europe 4 SH

HIST 1285 Introduction to Russian Civilization 4 SH

HIST 2210 Atlantic Connection 4 SH

HIST 2222 History of Science and Technology 4 SH

HIST 2252 Japanese Literature and Culture 4 SH

HIST 2310 Spread of Buddhism 4 SH

HIST 2330 Colonial and Revolutionary America 4 SH

HIST 2370 Renaissance to Enlightenment 4 SH

HIST 2375 Culture and Identity in Early Modern England 4 SH

HIST 2393 Islam and Empires 4 SH

HIST 3411 Environment in the Age of Discovery 4 SH

HIST 3475 The Culture of Europe 4 SH

Research Methods

Complete one course from the following list:

CS 1100 Computer Science and Its Applications 4 SH

ECON 2350 Statistics 4 SH

ENVR 5260 Geographical Information Systems 4 SH

MATH 1180 Statistical Thinking 4 SH

MATH 2280 Statistics and Software 4 SH

PHIL 1215 Symbolic Logic 4 SH

POLS 2400 Quantitative Techniques 4 SH

PSYC 2320 Statistics in Psychological Research 4 SH

SOCL 2320 Statistical Analysis in Sociology 4 SH

Capstone or Project

Complete one of the following courses:

HIST 4701 Capstone Seminar 4 SH

HIST 4911 Senior Project 1 4 SH

HIST 4912 Senior Project 2 4 SH

Note: Public history concentrators satisfy this requirement within the concentration with HIST 4903 and HIST 4904.

MINOR OUTSIDE HISTORY

Complete a minor in any field outside history.

OPTIONAL PUBLIC HISTORY CONCENTRATION**Public History Courses**

Complete the following three courses (HIST 1120 is a prerequisite for HIST 4903 and HIST 4904):

HIST 1120	Introduction to Public History	4 SH
HIST 4903	Fieldwork in History 1	4 SH
HIST 4904	Fieldwork in History 2	4 SH

Graduate Public History Course

Complete one graduate-level course in public history. See history faculty advisor for an approved list.

EXPERIENTIAL LEARNING REQUIREMENT

The following course:

HIST 2301	The History Seminar	4 SH
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fulfills the University's experiential learning requirement.

INTERMEDIATE/ADVANCED HISTORY COURSE REQUIREMENT

A minimum of three courses from the above requirements must be numbered HIST 2303 or higher. These courses may count toward the history cluster.

HISTORY MAJOR CREDIT REQUIREMENT

Complete 45 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in Environmental Studies and History

See page 217.

BA/MA in History**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

HISTORY MAJOR REQUIREMENTS**Introductory History**

Complete the following course:

HIST 1201	The History Colloquium	4 SH
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and two additional courses from the following list:

AFAM 1140	Introduction to African-American History	4 SH
ASNS 1150	East Asian Studies	4 SH
HIST 1110	Introduction to World History	4 SH
HIST 1120	Introduction to Public History	4 SH
HIST 1130	Introduction to American History	4 SH

HIST 1170	Introduction to European History	4 SH
HIST 1180	African History	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH
HIST 1187	Introduction to Latin American History	4 SH
HIST 1189	Introduction to South Asian History	4 SH
WMNS 1103	Women's Studies	4 SH

History Seminar and Historical Writing

Complete the following two courses concurrently:

HIST 2301	The History Seminar	4 SH
with HIST 2302	Historical Writing	1 SH

HISTORY CLUSTER

In conjunction with your history advisor, define a history cluster by the first semester of your junior year of study. A cluster comprises four history courses with no more than two courses in the 1200–1299 range.

ADDITIONAL HISTORY REQUIREMENTS**Pre-1800 Course**

Complete one course from the following list. This course may count toward the history cluster or history elective:

AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1270	Ancient Greece	4 SH
HIST 1271	Ancient Rome	4 SH
HIST 1272	The Invention of Europe 500–1500	4 SH
HIST 1273	Belief in Magic and Science in Europe	4 SH
HIST 1285	Introduction to Russian Civilization	4 SH
HIST 2210	Atlantic Connection	4 SH
HIST 2222	History of Science and Technology	4 SH
HIST 2252	Japanese Literature and Culture	4 SH
HIST 2310	Spread of Buddhism	4 SH
HIST 2330	Colonial and Revolutionary America	4 SH
HIST 2370	Renaissance to Enlightenment	4 SH
HIST 2375	Culture and Identity in Early Modern England	4 SH
HIST 2393	Islam and Empires	4 SH
HIST 3411	Environment in the Age of Discovery	4 SH
HIST 3475	The Culture of Europe	4 SH

Capstone or Project

Complete one of the following courses:

HIST 4701	Capstone Seminar	4 SH
HIST 4911	Senior Project 1	4 SH
HIST 4912	Senior Project 2	4 SH

INTERMEDIATE/ADVANCED HISTORY COURSE REQUIREMENT

A minimum of three courses from the above requirements must be numbered HIST 2303 or higher. These courses may count toward the history cluster.

EXPERIENTIAL LEARNING REQUIREMENT

The following course:

HIST 2301 The History Seminar 4 SH

fulfills the University's experiential learning requirement.

GRADUATE-LEVEL HISTORY REQUIREMENTS**Required Course**

Complete the following course:

HIST 5101 Theory and Methodology 1 4 SH

Graduate Electives

Complete seven graduate electives.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required for the bachelor's degree

Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

32 total semester hours of graduate course work required

Minimum 3.000 GPA required for graduate courses

BS/MA in History**NU CORE REQUIREMENTS**

See page 30 for requirement list.

HISTORY MAJOR REQUIREMENTS**Introductory History**

Complete the following course:

HIST 1201 The History Colloquium 4 SH

and two additional courses from the following list:

AFAM 1140 Introduction to African-American 4 SH

History

ASNS 1150 East Asian Studies 4 SH

HIST 1110 Introduction to World History 4 SH

HIST 1120 Introduction to Public History 4 SH

HIST 1130 Introduction to American History 4 SH

HIST 1170 Introduction to European History 4 SH

HIST 1180 African History 4 SH

HIST 1185 Introduction to Middle Eastern 4 SH

History

HIST 1187 Introduction to Latin American 4 SH

History

HIST 1189 Introduction to South Asian History 4 SH

WMNS 1103 Women's Studies 4 SH

History Seminar and Historical Writing

Complete the following two courses concurrently:

HIST 2301 The History Seminar 4 SH

with HIST 2302 Historical Writing 1 SH

HISTORY CLUSTER

In conjunction with your history advisor, define a history cluster by the first semester of your junior year of study. A cluster comprises four history courses with no more than two courses in the HIST 1200–1299 range.

ADDITIONAL HISTORY REQUIREMENTS**Pre-1800 Course**

Complete one course from the following list. This course may count toward the history cluster:

AFRS 2390 Africa and the World in Early Times 4 SH

or HIST 2390 Africa and the World in Early Times 4 SH

AFRS 2391 Modern African Civilization 4 SH

AFRS 2392 African Diaspora 4 SH

HIST 1250 Emergence of East Asia 4 SH

HIST 1270 Ancient Greece 4 SH

HIST 1271 Ancient Rome 4 SH

HIST 1272 The Invention of Europe 500–1500 4 SH

HIST 1273 Belief in Magic and Science in Europe 4 SH

HIST 1285 Introduction to Russian Civilization 4 SH

HIST 2210 Atlantic Connection 4 SH

HIST 2222 History of Science and Technology 4 SH

HIST 2252 Japanese Literature and Culture 4 SH

HIST 2310 Spread of Buddhism 4 SH

HIST 2330 Colonial and Revolutionary America 4 SH

HIST 2370 Renaissance to Enlightenment 4 SH

HIST 2375 Culture and Identity in Early Modern 4 SH

England

HIST 2393 Islam and Empires 4 SH

HIST 3411 Environment in the Age of Discovery 4 SH

HIST 3475 The Culture of Europe 4 SH

Research Methods

Complete one course from the following list:

CS 1100 Computer Science and Its 4 SH

Applications

ECON 2350 Statistics 4 SH

ENVR 5260 Geographical Information Systems 4 SH

MATH 1180 Statistical Thinking 4 SH

MATH 2280 Statistics and Software 4 SH

PHIL 1215 Symbolic Logic 4 SH

POLS 2400 Quantitative Techniques 4 SH

PSYC 2320 Statistics in Psychological Research 4 SH

SOCL 2320 Statistical Analysis in Sociology 4 SH

Capstone or Project

Complete one of the following courses:

HIST 4701 Capstone Seminar 4 SH

HIST 4911 Senior Project 1 4 SH

HIST 4912 Senior Project 2 4 SH

Note: Public history concentrators satisfy this requirement within the concentration with HIST 4903 and HIST 4904.

MINOR OUTSIDE HISTORY

Complete a minor in any field outside history.

OPTIONAL PUBLIC HISTORY CONCENTRATION**Public History Courses**

Complete the following three courses (HIST 1120 is a prerequisite for HIST 4903 and 4904):

HIST 1120	Introduction to Public History	4 SH
HIST 4903	Fieldwork in History 1	4 SH
HIST 4904	Fieldwork in History 2	4 SH

Graduate Public History Course

Complete one graduate-level course in public history. See history faculty advisor for an approved list.

EXPERIENTIAL LEARNING REQUIREMENT

The following course:

HIST 2301	The History Seminar	4 SH
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fulfills the University's experiential learning requirement.

INTERMEDIATE/ADVANCED HISTORY COURSE REQUIREMENT

A minimum of three courses from the above requirements must be numbered HIST 2303 or higher. These courses may count toward the history cluster.

GRADUATE-LEVEL HISTORY REQUIREMENTS**Required Course**

Complete the following course:

HIST 5101	Theory and Methodology 1	4 SH
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Graduate Electives

Complete seven graduate electives. One fieldwork course is recommended:

FIELDWORK

HIST 8410	Fieldwork in History 1	4 SH
HIST 8411	Fieldwork in History 2	4 SH
HIST 8412	Fieldwork in History 3	4 SH

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required for the bachelor's degree
Minimum 2.000 GPA required for undergraduate courses

GRADUATE CREDIT/GPA REQUIREMENTS

32 total semester hours of graduate course work required
Minimum 3.000 GPA required for graduate courses

Minor in History**REQUIRED COURSES**

Complete four history courses, of which at least two must be taken at Northeastern and must be numbered 1200 or higher (HIST 1200 to HIST 5999). History minors must have a total of 16 semester hours in history.

GPA REQUIREMENT

2.000 GPA required in the minor

HUMAN SERVICES

www.humanservices.neu.edu

LORI GARDINIER, PHD

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and Director, Human Services Program*

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The human services program is an interdisciplinary major within the College of Social Sciences and Humanities that includes courses in human services, psychology, sociology, political science, and other related fields. The mission of the human services program is to provide students with the theoretical and skill-based background necessary to practice in macro-, mezzo-, and microarenas such as political advocacy, community development, and direct service. Students take basic foundation and skills courses and complete an intensive fieldwork internship in community agencies and/or government organizations. The major may lead to careers in many diverse areas of the helping professions or to graduate education.

Students who major in human services select specializations in areas that they wish to pursue further. Students can pursue positions in both public and private agencies, including social service and welfare agencies, mental health settings, programs for youth, halfway houses, rape crisis and domestic violence centers, drug treatment institutions, and criminal justice settings. Students can work in a number of capacities as counselors, community organizers, administrators in human services agencies, and as fund-raisers for social programs. Students in the major have special opportunities to participate in the Human Services Organization, the student-led club.

Prepared Specializations

Administration and Policy; Applied Behavior Analysis; Counseling Psychology; Deaf Studies; Family and Children Services; and Social Justice, Identity, and Religion.

Transferring to the Major

Acceptance into the major is based on completion of the internal transfer application, the program's criteria for admission including the minimum GPA requirement, and a meeting with an advisor.

Academic Progression Standards

After four semesters, students must meet the minimum GPA, have earned at least 64 semester hours, and should have completed the following courses:

SOCL 1101	Introduction to Sociology	4 SH
HUSV 1101	Human Services Professions	4 SH

and any two of the following courses:

PSYC 1101	Foundations of Psychology	4 SH
HUSV 2300	Counseling in Human Services	4 SH

an approved policy course

an approved research course

an approved organizations course

and at least one specialization course (see advisor).

In order to take the following course:

HUSV 4994	Human Services Internship	6 SH
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students must have permission from the Internship Coordinator at least one semester *prior* to the semester they wish to take the internship course. Internship should be taken either the spring semester of a student's junior year or the fall semester of a student's senior year.

Human Services Minor

The minor in human services may help lead to careers in many diverse areas of the helping professions or to graduate programs in social work, counseling, rehabilitation, and law. Human services professions are among the fastest-growing occupations in the nation. Society recognizes the necessity, value, and reward of dedicating time and energy to helping people. Combining a human services minor with any major gives students the opportunity to learn about the individual community and political interventions for social change.

BA in Human Services

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

HUMAN SERVICES MAJOR REQUIREMENTS

Human Services Overview

Complete the following two courses:

HUSV 1101	Human Services Professions	4 SH
HUSV 2300	Counseling in Human Services	4 SH

Sociology

Complete the following course:

SOCL 1101	Introduction to Sociology	4 SH
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Research

Complete one of the following courses:

HUSV 3700	Research Methods for Human Services	4 SH
HUSV 3900	Introduction to Social Policy	4 SH
PSYC 2300	Research in Psychology	4 SH
SOCL 2321	Research Methods in Sociology	4 SH
SOCL 2324	Human Services Research and Evaluation	4 SH

Policy

Complete one of the following courses:

PHTH 2350	Community and Public Health	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 3307	Public Policy and Administration	4 SH

Organization

Complete one of the following courses:

HUSV 3570	Strategic Philanthropy and Nonprofit Management	4 SH
POLS 2334	Bureaucracy and Government Organizations	4 SH
SOCL 3440	Sociology of Human Service Organizations	4 SH

Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Human Services and Diverse Populations

Complete one of the following courses:

HUSV 2350	Ethnic Relations, Cultural Identity, and Human Services	4 SH
HUSV 3560	Religion, Human Services, and Diversity in the United States	4 SH
HUSV 4866	Intercultural Studies through Human Services	4 SH
HUSV 4920	International Human Services	4 SH
SOCL 1270	Race and Ethnic Relations	4 SH

Human Services Elective

Complete one course in the HUSV subject area.

Senior Seminar and Internship

Complete the following two courses:

HUSV 4700	Senior Seminar in Human Services	4 SH
HUSV 4994	Human Services Internship	6 SH

HUMAN SERVICES SPECIALIZATION FOR BA DEGREE

Complete one of the specializations listed below.

Specialization in Deaf Studies

Complete the following five courses (AMSL 1101 and AMSL 1102 are normally taken as part of the BA core):

AMSL 1101	Elementary ASL 1	4 SH
AMSL 1102	Elementary ASL 2	4 SH

AMSL 2101	Intermediate ASL 1	4 SH
AMSL 2102	Intermediate ASL 2	4 SH
DEAF 1500	Deaf People in Society	4 SH

Specialization in Family and Children's Services

Complete the following two required courses and one elective:

REQUIREMENTS

HUSV 3520	Child Intervention and Treatment	4 SH
SOCL 1255	Sociology of the Family	4 SH

ELECTIVES

CAEP 3480	Counseling Theories and Practice	4 SH
CRIM 4100	Juvenile Law	4 SH
EDUC 1113	Human Development and Learning	4 SH
PSYC 2352	Childhood Mental Illness	4 SH
PSYC 3400	Personality	4 SH
PSYC 3404	Developmental Psychology	4 SH
SOCL 1256	Violence in the Family	4 SH
SOCL 3437	Children and Youth in Contemporary Society	4 SH

Specialization in Psychology/Counseling Psychology

Complete the following two required courses and one elective:

REQUIREMENTS

CAEP 3485	Mental Health and Counseling	4 SH
PSYC 3406	Abnormal Psychology	4 SH

ELECTIVES

CAEP 3480	Counseling Theories and Practice	4 SH
CAEP 4502	Health Counseling	3 SH
COMM 3230	Interpersonal Communication	4 SH
HUSV 2320	Techniques in Individual and Group Counseling in Human Services	4 SH
HUSV 3540	Services and Treatments for Chemical Dependencies	4 SH
HUSV 3580	Rape Crisis Training: Techniques in Counseling	4 SH
NRSRG 1205	Wellness	4 SH
PHIL 1165	Moral and Social Problems in Health Care	4 SH
PSYC 3400	Personality	4 SH
PSYC 3404	Developmental Psychology	4 SH

Specialization in Administration and Policy

Complete the following two required courses and one elective:

REQUIREMENTS

POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 3307	Public Policy and Administration	4 SH

ELECTIVES

AFAM 1270	Economic Status of Ethnic Minorities	4 SH
ECON 1240	Economics of Crime	4 SH
HUSV 3550	Social Policy, Advocacy, and Activism	4 SH
HUSV 3570	Strategic Philanthropy and Nonprofit Management	4 SH

SOCL 1240	Sociology of Prejudice and Violence	4 SH
SOCL 1260	Gender in a Changing Society	4 SH
SOCL 1270	Race and Ethnic Relations	4 SH

Specialization in Social Justice, Identity, and Religion

Complete the following three required courses:

HUSV 2350	Ethnic Relations, Cultural Identity, and Human Services	4 SH
HUSV 3550	Social Policy, Advocacy, and Activism	4 SH
HUSV 3560	Religion, Human Services, and Diversity in the United States	4 SH

Specialization in Applied Behavior Analysis

Complete the following three required courses:

PSYC 2358	Behavior Therapies	4 SH
PSYC 3450	Learning and Motivation	4 SH
PSYC 4654	Seminar in Behavioral Modification	4 SH

Independent Specialization

With approval from the program director, an independent specialization, consisting of three courses, may be defined in consultation with your advisor.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

HUMAN SERVICES MAJOR CREDIT REQUIREMENT

Complete 58 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Human Services**NU CORE REQUIREMENTS**

See page 30 for requirement list.

HUMAN SERVICES MAJOR REQUIREMENTS**Human Services Overview**

Complete the following two courses:

HUSV 1101	Human Services Professions	4 SH
HUSV 2300	Counseling in Human Services	4 SH

Sociology

Complete the following course:

SOCL 1101	Introduction to Sociology	4 SH
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Research

Complete one of the following courses:

HUSV 3700	Research Methods for Human Services	4 SH
HUSV 3900	Introduction to Social Policy	4 SH
PSYC 2300	Research in Psychology	4 SH
SOCL 2321	Research Methods in Sociology	4 SH
SOCL 2324	Human Services Research and Evaluation	4 SH

Policy

Complete one of the following courses:

PHTH 2350	Community and Public Health	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 3307	Public Policy and Administration	4 SH

Organization

Complete one of the following courses:

HUSV 3570	Strategic Philanthropy and Nonprofit Management	4 SH
POLS 2334	Bureaucracy and Government Organizations	4 SH
SOCL 3440	Sociology of Human Service Organizations	4 SH

Psychology

Complete the following course:

PSYC 1101	Foundations of Psychology	4 SH
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Human Services and Diverse Populations

Complete one of the following courses:

HUSV 2350	Ethnic Relations, Cultural Identity, and Human Services	4 SH
HUSV 3560	Religion, Human Services, and Diversity in the United States	4 SH
HUSV 4866	Intercultural Studies through Human Services	4 SH
HUSV 4920	International Human Services	4 SH
SOCL 1270	Race and Ethnic Relations	4 SH

Human Services Elective

Complete one course in the HUSV subject area.

Senior Seminar and Internship

Complete the following two courses:

HUSV 4700	Senior Seminar in Human Services	4 SH
HUSV 4994	Human Services Internship	6 SH

HUMAN SERVICES SPECIALIZATION FOR BS DEGREE

Complete one of the specializations listed below.

Specialization in Family and Children's Services

Complete the following two required courses and three electives:

REQUIREMENTS

HUSV 3520	Child Intervention and Treatment	4 SH
SOCL 1255	Sociology of the Family	4 SH

ELECTIVES

CAEP 3480	Counseling Theories and Practice	4 SH
CRIM 4100	Juvenile Law	4 SH
EDUC 1113	Human Development and Learning	4 SH
PSYC 2352	Childhood Mental Illness	4 SH
PSYC 3400	Personality	4 SH
PSYC 3404	Developmental Psychology	4 SH
SOCL 1256	Violence in the Family	4 SH
SOCL 1260	Gender in a Changing Society	4 SH
SOCL 3437	Children and Youth in Contemporary Society	4 SH

Specialization in Psychology/Counseling Psychology

Complete the following two required courses and three electives:

REQUIREMENTS

CAEP 3485	Mental Health and Counseling	4 SH
PSYC 3406	Abnormal Psychology	4 SH

ELECTIVES

CAEP 3480	Counseling Theories and Practice	4 SH
CAEP 4502	Health Counseling	3 SH
COMM 3230	Interpersonal Communication	4 SH
HUSV 2320	Techniques in Individual and Group Counseling in Human Services	4 SH
HUSV 3540	Services and Treatments for Chemical Dependencies	4 SH
HUSV 3580	Rape Crisis Training: Techniques in Counseling	4 SH
NRSG 1205	Wellness	4 SH
PHIL 1165	Moral and Social Problems in Health Care	4 SH
PSYC 3400	Personality	4 SH
PSYC 3404	Developmental Psychology	4 SH

Specialization in Administration and Policy

Complete the following two required courses and three electives:

REQUIREMENTS

POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 3307	Public Policy and Administration	4 SH

ELECTIVES

AFAM 1270	Economic Status of Ethnic Minorities	4 SH
ECON 1240	Economics of Crime	4 SH
HUSV 3550	Social Policy, Advocacy, and Activism	4 SH
HUSV 3570	Strategic Philanthropy and Nonprofit Management	4 SH
SOCL 1240	Sociology of Prejudice and Violence	4 SH
SOCL 1270	Race and Ethnic Relations	4 SH

Specialization in Social Justice, Identity, and Religion

Complete the following three required courses and two electives:

REQUIREMENTS

HUSV 2350	Ethnic Relations, Cultural Identity, and Human Services	4 SH
HUSV 3550	Social Policy, Advocacy, and Activism	4 SH
HUSV 3560	Religion, Human Services, and Diversity in the United States	4 SH

ELECTIVES

HIST 1259	Women in Jewish Culture	4 SH
HIST 3431	American Jewish History	4 SH
HUSV 2350	Ethnic Relations, Cultural Identity, and Human Services	4 SH
HUSV 4866	Intercultural Studies through Human Services	4 SH
HUSV 4920	International Human Services	4 SH
HUSV 4994	Human Services Internship	6 SH
MUSC 1132	Music of the Jewish People	4 SH
POLS 2370	Religion and Politics	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH
RELS 1110	Introduction to Religion	4 SH
RELS 1150	Understanding the Bible	4 SH
RELS 1285	Jewish Religion and Culture	4 SH
SOCL 1240	Sociology of Prejudice and Violence	4 SH
SOCL 1287	Sociology of Religion	4 SH

Specialization in Applied Behavior Analysis

Complete the following three required courses and two electives:

REQUIREMENTS

PSYC 2358	Behavior Therapies	4 SH
PSYC 3450	Learning and Motivation	4 SH
PSYC 4654	Seminar in Behavioral Modification	4 SH

ELECTIVES

PSYC 2352	Childhood Mental Illness	4 SH
PSYC 2356	Nonverbal Communication	4 SH
PSYC 3400	Personality	4 SH
PSYC 3404	Developmental Psychology	4 SH
PSYC 3466	Cognition	4 SH

Independent Specialization

With approval from the program director, an independent specialization, consisting of five courses, may be defined in consultation with your advisor.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

HUMAN SERVICES MAJOR CREDIT REQUIREMENT

Complete 66 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BS in Human Services and Criminal Justice**NU CORE REQUIREMENTS**

See page 30 for requirement list.

HUMAN SERVICES AND CRIMINAL JUSTICE FOUNDATION COURSES**Introduction to the Major**

Complete one of the following courses:

CRIM 1000	College: An Introduction	1 SH
HUSV 1000	Human Services at Northeastern	1 SH

Criminal Justice Foundation Courses

Complete the following five courses:

CRIM 1100	Introduction to Criminal Justice	4 SH
CRIM 1200	Ethics, Values, and Diversity	4 SH
CRIM 2100	Criminal Due Process	4 SH
CRIM 2200	Criminology	4 SH
CS 1100	Computer Science and Its Applications	4 SH

Human Services Foundation Courses

Complete the following four courses:

HUSV 1101	Human Services Professions	4 SH
HUSV 2300	Counseling in Human Services	4 SH
PSYC 1101	Foundations of Psychology	4 SH
SOCL 1101	Introduction to Sociology	4 SH

HUMAN SERVICES AND CRIMINAL JUSTICE UPPER-LEVEL COURSES**Policy Course**

Complete one of the following courses:

PHTH 2350	Community and Public Health	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 3307	Public Policy and Administration	4 SH

Organization Course

Complete one of the following courses:

CRIM 4030	Criminal Justice Organization and Management	4 SH
HUSV 3570	Strategic Philanthropy and Nonprofit Management	4 SH
SOCL 3440	Sociology of Human Service Organizations	4 SH

Criminal Justice Concentration Electives

Complete two of the following courses:

CRIM 3100	Criminal Law	4 SH
CRIM 3200	Juvenile Justice	4 SH
CRIM 3300	Corrections	4 SH
CRIM 3400	Security	4 SH
CRIM 3500	Policing	4 SH

Criminal Justice Research Methods

Complete one of the following courses:

CRIM 3600	Criminal Justice Research Methods	4 SH
HUSV 3700	Research Methods for Human Services	4 SH

Criminal Justice System-Wide Elective

Complete one of the following courses:

CRIM 4010	Gender, Crime, and Justice	4 SH
CRIM 4020	Race, Crime, and Justice	4 SH
CRIM 4030	Criminal Justice Organization and Management	4 SH
CRIM 4040	Crime Prevention	4 SH

Statistics

Complete one of the following courses:

CRIM 3700	Criminal Justice Statistics	4 SH
PSYC 2320	Statistics in Psychological Research	4 SH
SOCL 2320	Statistical Analysis in Sociology	4 SH

HUMAN SERVICES INTERNSHIP

Complete the following course:

HUSV 4994	Human Services Internship	6 SH
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INTEGRATIVE COURSES***Criminal Justice Senior Capstone Seminar***

Complete the following course:

CRIM 4949	Senior Capstone Seminar	4 SH
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Human Services Senior Seminar

Complete the following course:

HUSV 4700	Senior Seminar in Human Services	4 SH
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CRIMINAL JUSTICE/HUMAN SERVICES OPEN ELECTIVES

Complete five additional criminal justice/human services courses. Two electives must be in criminal justice and two must be in human services.

COOPERATIVE EDUCATION FOR CRIMINAL JUSTICE***Co-op Integration Seminar 1/Professional Development***

All students should complete one of the following courses:

CRIM 2000	Co-op Integration Seminar 1	1 SH
EESH 2000	Professional Development for Co-op	1 SH

Co-op Integration Seminars 2 and 3

Co-op students should complete the following two courses. Non-co-op students should complete an additional 2 semester hours of open elective credit:

CRIM 3000	Co-op Integration Seminar 2	1 SH
CRIM 4000	Co-op Integration Seminar 3	1 SH

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

136 total semester hours required

Minimum 2.000 GPA required

BA in Human Services and International Affairs**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

HUMAN SERVICES REQUIREMENTS***Required Courses***

Complete the following four courses:

HUSV 1101	Human Services Professions	4 SH
HUSV 2300	Counseling in Human Services	4 SH
PSYC 1101	Foundations of Psychology	4 SH
SOCL 1101	Introduction to Sociology	4 SH

Research Methods

Complete one of the following courses:

HUSV 3700	Research Methods for Human Services	4 SH
PSYC 2300	Research in Psychology	4 SH
SOCL 2321	Research Methods in Sociology	4 SH
SOCL 2324	Human Services Research and Evaluation	4 SH

Policy

Complete one of the following courses:

PHTH 2350	Community and Public Health	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3315	Interest Groups and Public Policy	4 SH
SOCL 3408	Sociology of Organizations	4 SH

Organization

Complete one of the following courses:

HUSV 3570	Strategic Philanthropy and Nonprofit Management	4 SH
POLS 2334	Bureaucracy and Government Organizations	4 SH
SOCL 3440	Sociology of Human Service Organizations	4 SH

Human Services Internship

Complete the following course:

HUSV 4994	Human Services Internship	6 SH
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Human Services Elective

Complete one course in the HUSV subject area.

INTERNATIONAL AFFAIRS REQUIREMENTS

A 3.000 GPA is required for the following international affairs requirements.

Required Courses

Complete the following three courses:

INTL 1101	Globalization and International Affairs	4 SH
INTL 3400	International Conflict and Negotiation	4 SH
POLS 1160	International Relations	4 SH

and complete one of the following three courses:

ECON 1115	Principles of Macroeconomics	4 SH
or ECON 1116	Principles of Microeconomics	4 SH
or HIST 2211	World History since 1945	4 SH

Regional Analysis

Complete three regional analysis courses, two of which must be in one region, from the following lists. See department for additional courses.

AFRICA

AFRS 1128	The African Experience through Music	4 SH
AFRS 1180	African History	4 SH
or HIST 1180	African History	4 SH
AFRS 2307	Africa Today	4 SH
AFRS 2348	Arts and Culture of Africa	4 SH
AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
or HIST 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH
AFRS 3428	African Languages	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
or POLS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
AFRS 3470	Identity and Nationalism in Africa	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
AFRS 4690	Topics in African History	4 SH
or HIST 4690	Topics in African History	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ENTR 3306	Global Entrepreneurship	4 SH
ENTR 3308	Business Economic History of South Africa	4 SH
HIST 2397	Africa in the Twentieth Century	4 SH
LING 3428	African Languages	4 SH
MUSC 1128	Music of Africa	4 SH
POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH

ASIA

ANTH 4515	Anthropology of South Asia	4 SH
ASNS 1150	East Asian Studies	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH

ASNS 4910	Issues in Modern and Contemporary Asia	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 1506	Introduction to Chinese Popular Culture	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
HIST 1189	Introduction to South Asian History	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1251	Modern East Asia	4 SH
HIST 1253	History of Vietnam Wars	4 SH
HIST 1254	Mao's China and After	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2347	The CIA in Asia	4 SH
HIST 2350	Modern China	4 SH
HIST 2351	Global Japan	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH
HIST 3452	Global Chinese Migration	4 SH
HIST 4650	Topics in Asian History	4 SH
MUSC 1130	Music of Asia	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
RELS 1231	Image and Icon in South Asia	4 SH
RELS 1273	Jainism	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 1276	Indian Religions	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH
RELS 2394	Chinese Buddhism	4 SH
RELS 2395	Japanese Buddhism	4 SH
RELS 3395	Ramayana	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH
EUROPE		
ARTH 1111	Art + Design History since 1400	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 1501	Introduction to French Culture	4 SH
CLTR 1503	Introduction to Italian Culture	4 SH
CLTR 1504	Introduction to Spanish Culture	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
ECON 1293	European Economic History	4 SH
HIST 1170	Introduction to European History	4 SH
HIST 1270	Ancient Greece	4 SH
HIST 1271	Ancient Rome	4 SH
HIST 1272	The Invention of Europe 500–1500	4 SH
HIST 1273	Belief in Magic and Science in Europe	4 SH

HIST 1281	Holocaust	4 SH	ANTH 4500	Latin American Society and Development	4 SH
HIST 1294	Strangers in a Strange Land? European Jewish History 1750–1945	4 SH	CLTR 1240 CLTR 1505	Latin American Film Introduction to Latin American Culture	4 SH 4 SH
HIST 2314	From Europe to Globalization	4 SH	CLTR 4507	Afro-Cuban Culture—International Study	4 SH
HIST 2370	Renaissance to Enlightenment	4 SH	CLTR 4508	Cuban History through Film—International Study	4 SH
HIST 2371	Europe 1870–1921	4 SH	ENTR 3316	Microfinance and Economic Development in Latin America	4 SH
HIST 2372	Gender and Society in Modern Europe	4 SH	ENTR 3318	Business, Economics, and History of Hispaniola and Latin America	4 SH
HIST 2375	Culture and Identity in Early Modern England	4 SH	ENVR 2942	Maritime History and Culture: The Caribbean	4 SH
HIST 2376	The British Empire	4 SH	ENVR 2943	Marine Environmental History: The Caribbean	4 SH
HIST 2377	Ireland and the Irish Migration	4 SH	HIST 1187	Introduction to Latin American History	4 SH
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH	HIST 1260	Modern Latin America	4 SH
HIST 3475	The Culture of Europe	4 SH	HIST 1261	The Modern Caribbean	4 SH
HIST 3485	Vienna, Prague, Budapest	4 SH	HIST 4660	Topics in Latin American History	4 SH
HIST 4670	Topics in European History	4 SH	LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH
HIST 4682	Topics in East European History	4 SH	LITR 1260	Caribbean Literature and Culture	4 SH
HIST 4946	Independent Field Research Abroad: Central Europe	4 SH	LITR 4655	Latin American Literature	4 SH
INTB 4602	European Union and Globalization	4 SH	MUSC 1131	Music of Latin America and the Caribbean	4 SH
LITR 1250	Dante’s Inferno and Medieval Italian Culture	4 SH	POLS 3475	Government and Politics in Latin America	4 SH
LITR 3502	Cervantes and His Times	4 SH	MIDDLE EAST		
LITR 4550	From Knights to Revolution: French Literature 1	4 SH	CINE 3450	Israeli and Palestinian Film	4 SH
LITR 4551	From Reverie to Reality: French Literature 2	4 SH	CLTR 1502	Introduction to Arabic Culture	4 SH
LITR 4555	French Poetry	4 SH	ECON 1292	Economic History of the Middle East	4 SH
LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH	HIST 1185	Introduction to Middle Eastern History	4 SH
LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH	HIST 1290	Modern Middle East	4 SH
LITR 4565	Spanish Golden Age	4 SH	HIST 1291	The Ottoman Empire (1300–1920)	4 SH
LITR 4850	The Splendid Century	4 SH	HIST 1292	Jerusalem: Narratives and Visions	4 SH
LITR 4860	Age of Enlightenment	4 SH	HIST 2393	Islam and Empires	4 SH
LITR 4870	Romantic Heritage	4 SH	HIST 2394	Islamic Nationalism	4 SH
MUSC 1124	Music of the Romantic Era	4 SH	HIST 2395	Middle East in the Twentieth Century	4 SH
POLS 3435	Politics in Western Europe	4 SH	HIST 2396	The Middle East and Modernity	4 SH
POLS 3440	Politics in Northern Ireland	4 SH	HIST 4691	Topics in Middle Eastern History	4 SH
POLS 3445	Politics in Central and Eastern Europe	4 SH	HIST 4944	Middle Eastern History and Culture	4 SH
POLS 4917	Model European Union	4 SH		Independent Field Research Abroad	
SOCL 4535	European Union: Social and Political	4 SH	INTL 1160	Middle East Studies	4 SH
THTR 2300	Theatre History	4 SH	INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH
LATIN AMERICA			JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH
AFAM 2301	Foundations of Black Culture 2	4 SH	LITR 1150	Muslim Writers and the Qur’an (in English Translations)	4 SH
AFAM 2345	The Black Experience in the Caribbean	4 SH			
AFAM 4507	Afro-Cuban Culture—International Study	4 SH			
AFAM 4710	Field and Lab Methods for Researching Afro-Caribbean Music	4 SH			
AFAM 4939	Afro-Caribbean Music Research	4 SH			

MEST 2100	Modern Israel	4 SH	ANTH 3450	Globalization: Theory and Practice	4 SH
MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH	ARCH 1310	History of World Architecture 1	4 SH
MUSC 1129	Music of the Middle East	4 SH	ARCH 1320	History of World Architecture 2	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH	CINE 2340	Marxism, Film, and Revolution	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH	COMM 2303	Global and Intercultural Communication	4 SH
POLS 4915	Model Arab League	4 SH	COMM 2325	Global Media	4 SH
RELS 1280	Islam	4 SH	ECON 1290	History of the Global Economy	4 SH
RELS 1285	Jewish Religion and Culture	4 SH	ECON 3404	International Food Economics and Policy	4 SH
WMNS 2500	Women and Social Change in the Middle East	4 SH	ECON 4635	International Economics	4 SH
RUSSIA			ENGL 4683	Postcolonial Literature	4 SH
HIST 1285	Introduction to Russian Civilization	4 SH	ENTR 2219	Business, Global Poverty, and the Microfinance Revolution	4 SH
HIST 1286	History of the Soviet Union	4 SH	HIST 1110	Introduction to World History	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH	HIST 1202	Global Inequity	4 SH
HIST 2386	History of Soviet Cinema	4 SH	HIST 1204	Third World Women	4 SH
HIST 2387	Soviet Secret Police	4 SH	HIST 1205	The Global Economy	4 SH
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH	HIST 1216	Mediterranean World since 1500	4 SH
HIST 3486	Commissars and Managers: Soviet Economic History	4 SH	HIST 2211	World History since 1945	4 SH
HIST 4680	Topics in Russian History	4 SH	HIST 2310	Spread of Buddhism	4 SH
HIST 4681	Topics in Soviet History	4 SH	HIST 2311	Colonialism/Imperialism	4 SH
LITR 3503	Russian Literature in Translation	4 SH	HIST 2312	Global Migration and the Modern World	4 SH
POLS 3450	Government and Politics in Russia	4 SH	HIST 2315	Approaches to World History	4 SH
POLS 3455	Russian Foreign Policy	4 SH	HIST 2320	Wealth and Poverty	4 SH
SOCL 1215	Society and Culture in Russia	4 SH	HIST 2392	African Diaspora	4 SH
Global Dynamics			HIST 2398	Radicals, Terrorists, and Insurgents	4 SH
Complete two global dynamics courses. See department for additional courses. <i>Note:</i> No course used to fulfill major requirements may be used to satisfy the global dynamics requirement:			HIST 3411	Environment in the Age of Discovery	4 SH
AFAM 1109	Foundations of Black Culture 1	4 SH	HIST 3412	Global Environmental History	4 SH
AFAM 3441	Third World Political Relations	4 SH	HIST 3445	Global Economic History	4 SH
AFAM 4639	Globalism, Racism, and Human Rights	4 SH	HIST 3452	Global Chinese Migration	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH	HIST 4610	Topics in World History	4 SH
AFRS 3310	Applied Research in the African Diaspora	4 SH	HUSV 4920	International Human Services	4 SH
AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH	INTB 1201	Global Environment of International Business	4 SH
AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH	INTB 1203	International Business and Global Social Responsibility	4 SH
AFRS 4500 or ARTH 4500	Arts of the African Diaspora	4 SH	INTB 1209	International Business and Global Social Responsibility	4 SH
AFRS 4585	Current Issues in the African Diaspora	4 SH	INTB 3310	Cultural Aspects of International Business	4 SH
ANTH 1101	Peoples and Cultures	4 SH	INTL 3400	International Conflict and Negotiation	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH	INTL 3460	Transnational Activism in Global Civil Society	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH	INTL 4940	Global Corps Practicum	4 SH
ANTH 2315	Religion and Modernity	4 SH	INTL 4945	Dialogue of Civilizations: Global Issues in Comparative Perspective	4 SH
ANTH 2330	Environmental Anthropology	4 SH	LING 3412	Language and Culture	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH	LITR 3500	International Perspectives	4 SH
			LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH
			MUSC 1127	Introduction to World Music	4 SH
			MUSC 3470	War and Music	4 SH

PHIL 1130	Ethics: East and West	4 SH
PHIL 2327	Medieval Western Philosophy	4 SH
PHIL 5001	Global Justice	4 SH
POLS 1155	Comparative Politics	4 SH
POLS 2370	Religion and Politics	4 SH
POLS 3405	International Political Economy	4 SH
POLS 3407	International Organizations	4 SH
POLS 3408	International Security	4 SH
POLS 3415	Ethnic Conflict in Comparative Politics	4 SH
POLS 3420	National Security, War, and Terrorism	4 SH
POLS 3441	Third World Political Relations	4 SH
POLS 3487	Politics of Developing Nations	4 SH
POLS 4510	International Law	4 SH
POLS 4515	Democracy in Comparative Politics	4 SH
POLS 4530	Revolution, Civil War, and Insurrection	4 SH
POLS 4580	Special Topics: Comparative Politics and International Relations	4 SH
POLS 4605	Seminar in Comparative Politics	4 SH
POLS 4610	Seminar in International Relations	4 SH
POLS 4910	Model United Nations	4 SH
POLS 4938	International Politics—Learning Abroad	4 SH
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
RELS 1272	Ethics in the World's Religions	4 SH
RELS 2313	Modern Jewish Diaspora	4 SH
SOCL 1246	Environment and Society	4 SH
SOCL 1268	Social Movements	4 SH
SOCL 2288	The Sociology of Globalization	4 SH
SOCL 3471	Social Conflict and Community Services Abroad	4 SH
SOCL 3480	Comparative Political Economy	4 SH
SOCL 4522	Political Ecology and Environmental Justice	4 SH

INTERNATIONAL AFFAIRS FOREIGN LANGUAGE REQUIREMENT

Complete course work in a language through at least intermediate-level two (course number 2102 or 2302). *Note:* Completing this requirement satisfies the language requirement for the BA degree.

HUMAN SERVICES/INTERNATIONAL AFFAIRS INTEGRATIVE COURSES

Complete the following two integrative courses:

HUSV 4700	Senior Seminar in Human Services	4 SH
INTL 4700	Senior Capstone Seminar in International Affairs	4 SH

EXPERIENTIAL LEARNING REQUIREMENT

International Experiential Learning

Complete at least one study abroad and one short-term program or two short-term programs abroad or international co-op.

HUMAN SERVICES AND INTERNATIONAL AFFAIRS COMBINED-MAJOR CREDIT REQUIREMENT

Complete 90 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in American Sign Language and Human Services

See page 252.

Minor in Human Services

REQUIRED COURSES

Complete the following two courses:

HUSV 1101	Human Services Professions	4 SH
HUSV 2300	Counseling in Human Services	4 SH

POLICY COURSE

Complete one of the following courses:

HUSV 3700	Research Methods for Human Services	4 SH
PHTH 2350	Community and Public Health	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 3307	Public Policy and Administration	4 SH

ORGANIZATION COURSE

Complete one of the following courses:

HUSV 3570	Strategic Philanthropy and Nonprofit Management	4 SH
POLS 2334	Bureaucracy and Government Organizations	4 SH
SOCL 3440	Sociology of Human Service Organizations	4 SH

HUMAN SERVICES ELECTIVES

Complete two courses in the HUSV subject area.

GPA REQUIREMENT

2.000 GPA required in the minor

INTERNATIONAL AFFAIRS

www.northeastern.edu/internationalaffairs

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International affairs is an interdisciplinary major in the College of Social Sciences and Humanities. The program is designed to (a) prepare students with the knowledge and skills needed to excel in the global marketplace of ideas, identities, and values, as well as business and trade; and (b) promote global citizenship and social responsibility among all members of the international community.

Transferring to the Major

Current Northeastern students wishing to declare international affairs as a major must have a minimum 3.000 GPA.

Academic Progression Standards

It is recommended that students majoring in international affairs maintain a minimum 3.000 GPA until the beginning of their international experience in order to be eligible for the majority of the study-abroad options.

BA in International Affairs

Note: Students double majoring in international affairs and political science may count only two political science courses toward the international affairs major.

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

INTERNATIONAL AFFAIRS MAJOR REQUIREMENTS

Required Courses

Complete the following six courses:

ANTH 1101	Peoples and Cultures	4 SH
ECON 1115	Principles of Macroeconomics	4 SH
or ECON 1116	Principles of Microeconomics	4 SH
HIST 2211	World History since 1945	4 SH
INTL 1101	Globalization and International Affairs	4 SH
INTL 3400	International Conflict and Negotiation	4 SH
POLS 1160	International Relations	4 SH

Regional Analysis

Complete three regional analysis courses, two of which must be in one region, from the following lists. Select courses taken during a semester study abroad or specific “Dialogue of Civilizations” may count toward the regional analysis requirement pending approval of the international affairs head faculty advisor. See department for additional courses.

AFRICA

AFRS 1128	The African Experience through Music	4 SH
AFRS 1180	African History	4 SH
or HIST 1180	African History	4 SH
AFRS 2307	Africa Today	4 SH
AFRS 2348	Arts and Culture of Africa	4 SH
AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
or HIST 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH
AFRS 3428	African Languages	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
or POLS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
AFRS 3470	Identity and Nationalism in Africa	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
AFRS 4690	Topics in African History	4 SH
or HIST 4690	Topics in African History	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ENTR 3306	Global Entrepreneurship	4 SH
ENTR 3308	Business Economic History of South Africa	4 SH
HIST 2397	Africa in the Twentieth Century	4 SH
LING 3428	African Languages	4 SH
MUSC 1128	Music of Africa	4 SH
POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH

ASIA

ANTH 4515	Anthropology of South Asia	4 SH
ASNS 1150	East Asian Studies	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 1506	Introduction to Chinese Popular Culture	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
HIST 1189	Introduction to South Asian History	4 SH
HIST 1250	Emergence of East Asia	4 SH

HIST 1251	Modern East Asia	4 SH	HIST 2376	The British Empire	4 SH
HIST 1253	History of Vietnam Wars	4 SH	HIST 2377	Ireland and the Irish Migration	4 SH
HIST 1254	Mao's China and After	4 SH	HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH	HIST 3475	The Culture of Europe	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH	HIST 3485	Vienna, Prague, Budapest	4 SH
HIST 2347	The CIA in Asia	4 SH	HIST 4670	Topics in European History	4 SH
HIST 2350	Modern China	4 SH	HIST 4682	Topics in East European History	4 SH
HIST 2351	Global Japan	4 SH	HIST 4946	Independent Field Research Abroad: Central Europe	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH	INTB 4602	European Union and Globalization	4 SH
HIST 3452	Global Chinese Migration	4 SH	LITR 1250	Dante's Inferno and Medieval Italian Culture	4 SH
HIST 4650	Topics in Asian History	4 SH	LITR 3502	Cervantes and His Times	4 SH
MUSC 1130	Music of Asia	4 SH	LITR 4550	From Knights to Revolution: French Literature 1	4 SH
POLS 3480	Government and Politics in Japan	4 SH	LITR 4551	From Reverie to Reality: French Literature 2	4 SH
POLS 3485	Government and Politics in China	4 SH	LITR 4555	French Poetry	4 SH
RELS 1231	Image and Icon in South Asia	4 SH	LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
RELS 1273	Jainism	4 SH	LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
RELS 1275	Eastern Religions	4 SH	LITR 4565	Spanish Golden Age	4 SH
RELS 1276	Indian Religions	4 SH	LITR 4850	The Splendid Century	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH	LITR 4860	Age of Enlightenment	4 SH
RELS 2394	Chinese Buddhism	4 SH	LITR 4870	Romantic Heritage	4 SH
RELS 2395	Japanese Buddhism	4 SH	MUSC 1124	Music of the Romantic Era	4 SH
RELS 3395	Ramayana	4 SH	POLS 3435	Politics in Western Europe	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH	POLS 3440	Politics in Northern Ireland	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH	POLS 3445	Politics in Central and Eastern Europe	4 SH
EUROPE			POLS 4917	Model European Union	4 SH
ARTH 1111	Art + Design History since 1400	4 SH	SOCL 4535	European Union: Social and Political	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH	THTR 2300	Theatre History	4 SH
CLTR 1280	French Film and Culture	4 SH	LATIN AMERICA		
CLTR 1290	Realism and Modernism in Italian Film	4 SH	AFAM 2301	Foundations of Black Culture 2	4 SH
CLTR 1501	Introduction to French Culture	4 SH	AFAM 2345	The Black Experience in the Caribbean	4 SH
CLTR 1503	Introduction to Italian Culture	4 SH	AFAM 4507	Afro-Cuban Culture—International Study	4 SH
CLTR 1504	Introduction to Spanish Culture	4 SH	AFAM 4710	Field and Lab Methods for Researching Afro-Caribbean Music	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH	AFAM 4939	Afro-Caribbean Music Research	4 SH
CLTR 2504	Modern German Film and Literature	4 SH	ANTH 4500	Latin American Society and Development	4 SH
ECON 1293	European Economic History	4 SH	CLTR 1240	Latin American Film	4 SH
HIST 1170	Introduction to European History	4 SH	CLTR 1505	Introduction to Latin American Culture	4 SH
HIST 1270	Ancient Greece	4 SH	CLTR 4507	Afro-Cuban Culture—International Study	4 SH
HIST 1271	Ancient Rome	4 SH	CLTR 4508	Cuban History through Film—International Study	4 SH
HIST 1272	The Invention of Europe 500–1500	4 SH	ENTR 3316	Microfinance and Economic Development in Latin America	4 SH
HIST 1273	Belief in Magic and Science in Europe	4 SH			
HIST 1281	Holocaust	4 SH			
HIST 1294	Strangers in a Strange Land? European Jewish History 1750–1945	4 SH			
HIST 2314	From Europe to Globalization	4 SH			
HIST 2370	Renaissance to Enlightenment	4 SH			
HIST 2371	Europe 1870–1921	4 SH			
HIST 2372	Gender and Society in Modern Europe	4 SH			
HIST 2375	Culture and Identity in Early Modern England	4 SH			

ENTR 3318	Business, Economics, and History of Hispaniola and Latin America	4 SH	RUSSIA		
ENVR 2942	Maritime History and Culture: The Caribbean	4 SH	HIST 1285	Introduction to Russian Civilization	4 SH
ENVR 2943	Marine Environmental History: The Caribbean	4 SH	HIST 1286	History of the Soviet Union	4 SH
HIST 1187	Introduction to Latin American History	4 SH	HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 1260	Modern Latin America	4 SH	HIST 2386	History of Soviet Cinema	4 SH
HIST 1261	The Modern Caribbean	4 SH	HIST 2387	Soviet Secret Police	4 SH
HIST 4660	Topics in Latin American History	4 SH	HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH	HIST 3486	Commissars and Managers: Soviet Economic History	4 SH
LITR 1260	Caribbean Literature and Culture	4 SH	HIST 4680	Topics in Russian History	4 SH
LITR 4655	Latin American Literature	4 SH	HIST 4681	Topics in Soviet History	4 SH
MUSC 1131	Music of Latin America and the Caribbean	4 SH	LITR 3503	Russian Literature in Translation	4 SH
POLS 3475	Government and Politics in Latin America	4 SH	POLS 3450	Government and Politics in Russia	4 SH
			POLS 3455	Russian Foreign Policy	4 SH
			SOCL 1215	Society and Culture in Russia	4 SH
			Global Dynamics		
			Complete three global dynamics courses from the following list.		
			See department for additional courses. <i>Note:</i> Courses used to fulfill major requirements may not be used to satisfy the global dynamics requirement:		
MIDDLE EAST			AFAM 1109	Foundations of Black Culture 1	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH	AFAM 3441	Third World Political Relations	4 SH
CLTR 1502	Introduction to Arabic Culture	4 SH	AFAM 4639	Globalism, Racism, and Human Rights	4 SH
ECON 1292	Economic History of the Middle East	4 SH	AFRS 1185	Gender in the African Diaspora	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH	AFRS 3310	Applied Research in the African Diaspora	4 SH
HIST 1290	Modern Middle East	4 SH	AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH
HIST 1291	The Ottoman Empire (1300–1920)	4 SH	AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH
HIST 1292	Jerusalem: Narratives and Visions	4 SH	AFRS 4500	Arts of the African Diaspora	4 SH
HIST 2393	Islam and Empires	4 SH	or ARTH 4500	Arts of the African Diaspora	4 SH
HIST 2394	Islamic Nationalism	4 SH	AFRS 4585	Current Issues in the African Diaspora	4 SH
HIST 2395	Middle East in the Twentieth Century	4 SH	ANTH 2305	Global Markets and Local Culture	4 SH
HIST 2396	The Middle East and Modernity	4 SH	ANTH 2312	The Anthropology of Masculinity	4 SH
HIST 4691	Topics in Middle Eastern History	4 SH	ANTH 2315	Religion and Modernity	4 SH
HIST 4944	Middle Eastern History and Culture	4 SH	ANTH 2330	Environmental Anthropology	4 SH
	Independent Field Research Abroad		ANTH 2365	Sport, Culture, and Society	4 SH
INTL 1160	Middle East Studies	4 SH	ANTH 3450	Globalization: Theory and Practice	4 SH
INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH	ARCH 1310	History of World Architecture 1	4 SH
JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH	ARCH 1320	History of World Architecture 2	4 SH
LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH	CINE 2340	Marxism, Film, and Revolution	4 SH
MEST 2100	Modern Israel	4 SH	COMM 2303	Global and Intercultural Communication	4 SH
MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH	COMM 2325	Global Media	4 SH
MUSC 1129	Music of the Middle East	4 SH	ECON 1290	History of the Global Economy	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH	ECON 3404	International Food Economics and Policy	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH	ECON 4635	International Economics	4 SH
POLS 4915	Model Arab League	4 SH	ENGL 4683	Postcolonial Literature	4 SH
RELS 1280	Islam	4 SH			
RELS 1285	Jewish Religion and Culture	4 SH			
WMNS 2500	Women and Social Change in the Middle East	4 SH			

BA in International Affairs with Concentration in Middle East Studies

Note: Students double majoring in international affairs and political science may count only two political science courses toward the international affairs major.

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

INTERNATIONAL AFFAIRS MAJOR REQUIREMENTS

Required Courses

Complete the following six courses:

ANTH 1101	Peoples and Cultures	4 SH
ECON 1115	Principles of Macroeconomics	4 SH
HIST 2211	World History since 1945	4 SH
INTL 1101	Globalization and International Affairs	4 SH
INTL 3400	International Conflict and Negotiation	4 SH
POLS 1155	Comparative Politics	4 SH

Middle East Regional Analysis Courses

Complete the following course:

INTL 1160	Middle East Studies	4 SH
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and four courses from the following list, at least two of which must be numbered 2000 or above. Select courses taken during a semester study abroad or specific “Dialogue of Civilizations” may count toward the regional analysis requirement pending approval of the international affairs head faculty advisor. See department for additional courses.

CINE 3450	Israeli and Palestinian Film	4 SH
CLTR 1502	Introduction to Arabic Culture	4 SH
ECON 1292	Economic History of the Middle East	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH
HIST 1290	Modern Middle East	4 SH
HIST 1291	The Ottoman Empire (1300–1920)	4 SH
HIST 1292	Jerusalem: Narratives and Visions	4 SH
HIST 2393	Islam and Empires	4 SH
HIST 2394	Islamic Nationalism	4 SH
HIST 2395	Middle East in the Twentieth Century	4 SH
HIST 2396	The Middle East and Modernity	4 SH
HIST 4691	Topics in Middle Eastern History	4 SH
HIST 4944	Middle Eastern History and Culture Independent Field Research Abroad	4 SH
INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH
JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH
LITR 1150	Muslim Writers and the Qur’an (in English Translations)	4 SH
MEST 2100	Modern Israel	4 SH

MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH
MUSC 1129	Music of the Middle East	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH
POLS 4915	Model Arab League	4 SH
RELS 1280	Islam	4 SH
RELS 1285	Jewish Religion and Culture	4 SH
WMNS 2500	Women and Social Change in the Middle East	4 SH

Global Dynamics

Complete the following course:

POLS 1160	International Relations	4 SH
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and one additional course from the following list. See department for additional courses. *Note:* Courses used to fulfill major requirements may not be used to satisfy the global dynamics requirement.

AFAM 1109	Foundations of Black Culture 1	4 SH
AFAM 3441	Third World Political Relations	4 SH
AFAM 4639	Globalism, Racism, and Human Rights	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH
AFRS 3310	Applied Research in the African Diaspora	4 SH
AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH
AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH
AFRS 4500	Arts of the African Diaspora	4 SH
or ARTH 4500	Arts of the African Diaspora	4 SH
AFRS 4585	Current Issues in the African Diaspora	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH
ANTH 2315	Religion and Modernity	4 SH
ANTH 2330	Environmental Anthropology	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH
ANTH 3450	Globalization: Theory and Practice	4 SH
ARCH 1310	History of World Architecture 1	4 SH
ARCH 1320	History of World Architecture 2	4 SH
CINE 2340	Marxism, Film, and Revolution	4 SH
COMM 2303	Global and Intercultural Communication	4 SH
COMM 2325	Global Media	4 SH
ECON 1290	History of the Global Economy	4 SH
ECON 3404	International Food Economics and Policy	4 SH
ECON 4635	International Economics	4 SH
ENGL 4683	Postcolonial Literature	4 SH
ENTR 2219	Business, Global Poverty, and the Microfinance Revolution	4 SH
HIST 1110	Introduction to World History	4 SH
HIST 1202	Global Inequity	4 SH
HIST 1204	Third World Women	4 SH

BA in International Affairs and Anthropology**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

INTERNATIONAL AFFAIRS REQUIREMENTS**Required Courses**

Complete the following three courses:

INTL 1101	Globalization and International Affairs	4 SH
INTL 3400	International Conflict and Negotiation	4 SH
POLS 1160	International Relations	4 SH

and complete one of the following courses:

ECON 1115	Principles of Macroeconomics	4 SH
HIST 2211	World History since 1945	4 SH

Regional Analysis

Complete two regional analysis courses, both of which must be in one region, from the following lists. Summer-session study abroad are also acceptable in combination with “Dialogue of Civilizations.” See department for additional courses.

AFRICA

AFRS 1128	The African Experience through Music	4 SH
AFRS 1180	African History	4 SH
or HIST 1180	African History	4 SH
AFRS 2307	Africa Today	4 SH
AFRS 2348	Arts and Culture of Africa	4 SH
AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
or HIST 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH
AFRS 3428	African Languages	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
or POLS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
AFRS 3470	Identity and Nationalism in Africa	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
AFRS 4690	Topics in African History	4 SH
or HIST 4690	Topics in African History	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ENTR 3306	Global Entrepreneurship	4 SH
ENTR 3308	Business Economic History of South Africa	4 SH
HIST 2397	Africa in the Twentieth Century	4 SH
LING 3428	African Languages	4 SH
MUSC 1128	Music of Africa	4 SH
POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH

ASIA

ANTH 4515	Anthropology of South Asia	4 SH
ASNS 1150	East Asian Studies	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 1506	Introduction to Chinese Popular Culture	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
HIST 1189	Introduction to South Asian History	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1251	Modern East Asia	4 SH
HIST 1253	History of Vietnam Wars	4 SH
HIST 1254	Mao’s China and After	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2347	The CIA in Asia	4 SH
HIST 2350	Modern China	4 SH
HIST 2351	Global Japan	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH
HIST 3452	Global Chinese Migration	4 SH
HIST 4650	Topics in Asian History	4 SH
MUSC 1130	Music of Asia	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
RELS 1231	Image and Icon in South Asia	4 SH
RELS 1273	Jainism	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 1276	Indian Religions	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH
RELS 2394	Chinese Buddhism	4 SH
RELS 2395	Japanese Buddhism	4 SH
RELS 3395	Ramayana	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH
EUROPE		
ARTH 1111	Art + Design History since 1400	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 1501	Introduction to French Culture	4 SH
CLTR 1503	Introduction to Italian Culture	4 SH
CLTR 1504	Introduction to Spanish Culture	4 SH
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH
CLTR 2504	Modern German Film and Literature	4 SH
ECON 1293	European Economic History	4 SH

HIST 1170	Introduction to European History	4 SH	AFAM 4710	Field and Lab Methods for	4 SH
HIST 1270	Ancient Greece	4 SH		Researching Afro-Caribbean Music	
HIST 1271	Ancient Rome	4 SH	AFAM 4939	Afro-Caribbean Music Research	4 SH
HIST 1272	The Invention of Europe 500–1500	4 SH	ANTH 4500	Latin American Society and	4 SH
HIST 1273	Belief in Magic and Science in Europe	4 SH		Development	
HIST 1281	Holocaust	4 SH	CLTR 1240	Latin American Film	4 SH
HIST 1294	Strangers in a Strange Land?	4 SH	CLTR 1505	Introduction to Latin American	4 SH
	European Jewish History 1750–			Culture	
	1945		CLTR 4507	Afro-Cuban Culture—International	4 SH
HIST 2314	From Europe to Globalization	4 SH		Study	
HIST 2370	Renaissance to Enlightenment	4 SH	CLTR 4508	Cuban History through Film—	4 SH
HIST 2371	Europe 1870–1921	4 SH		International Study	
HIST 2372	Gender and Society in Modern Europe	4 SH	ENTR 3316	Microfinance and Economic	4 SH
HIST 2375	Culture and Identity in Early Modern	4 SH		Development in Latin America	
	England		ENTR 3318	Business, Economics, and History of	4 SH
HIST 2376	The British Empire	4 SH		Hispaniola and Latin America	
HIST 2377	Ireland and the Irish Migration	4 SH	ENVR 2942	Maritime History and Culture: The	4 SH
HIST 2388	Borderlands: World War II in Eastern	4 SH		Caribbean	
	Europe		ENVR 2943	Marine Environmental History: The	4 SH
HIST 3475	The Culture of Europe	4 SH		Caribbean	
HIST 3485	Vienna, Prague, Budapest	4 SH	HIST 1187	Introduction to Latin American	4 SH
HIST 4670	Topics in European History	4 SH		History	
HIST 4682	Topics in East European History	4 SH	HIST 1260	Modern Latin America	4 SH
HIST 4946	Independent Field Research Abroad:	4 SH	HIST 1261	The Modern Caribbean	4 SH
	Central Europe		HIST 4660	Topics in Latin American History	4 SH
LITR 1250	Dante’s Inferno and Medieval Italian	4 SH	LACS 1220	Latino, Latin American, and	4 SH
	Culture			Caribbean Studies	
LITR 3502	Cervantes and His Times	4 SH	LITR 1260	Caribbean Literature and Culture	4 SH
LITR 4550	From Knights to Revolution: French	4 SH	LITR 4655	Latin American Literature	4 SH
	Literature 1		MUSC 1131	Music of Latin America and the	4 SH
LITR 4551	From Reverie to Reality: French	4 SH		Caribbean	
	Literature 2		POLS 3475	Government and Politics in Latin	4 SH
LITR 4555	French Poetry	4 SH		America	
LITR 4560	Masterpieces of Spanish Literature:	4 SH	MIDDLE EAST		
	Eighteenth–Twentieth Century		CINE 3450	Israeli and Palestinian Film	4 SH
LITR 4561	Masterpieces of Spanish Literature:	4 SH	CLTR 1502	Introduction to Arabic Culture	4 SH
	Twelfth–Seventeenth Century		ECON 1292	Economic History of the Middle East	4 SH
LITR 4565	Spanish Golden Age	4 SH	HIST 1185	Introduction to Middle Eastern	4 SH
LITR 4850	The Splendid Century	4 SH		History	
LITR 4860	Age of Enlightenment	4 SH	HIST 1290	Modern Middle East	4 SH
LITR 4870	Romantic Heritage	4 SH	HIST 1291	The Ottoman Empire (1300–1920)	4 SH
MUSC 1124	Music of the Romantic Era	4 SH	HIST 1292	Jerusalem: Narratives and Visions	4 SH
POLS 3435	Politics in Western Europe	4 SH	HIST 2393	Islam and Empires	4 SH
POLS 3440	Politics in Northern Ireland	4 SH	HIST 2394	Islamic Nationalism	4 SH
POLS 3445	Politics in Central and Eastern Europe	4 SH	HIST 2395	Middle East in the Twentieth Century	4 SH
POLS 4917	Model European Union	4 SH	HIST 2396	The Middle East and Modernity	4 SH
SOCL 4535	European Union: Social and Political	4 SH	HIST 4691	Topics in Middle Eastern History	4 SH
THTR 2300	Theatre History	4 SH	HIST 4944	Middle Eastern History and Culture	4 SH
				Independent Field Research Abroad	
LATIN AMERICA					
AFAM 2301	Foundations of Black Culture 2	4 SH	INTL 1160	Middle East Studies	4 SH
AFAM 2345	The Black Experience in the	4 SH	INTL 3565	Morocco: History, Cultures, and	4 SH
	Caribbean			Economic Development in the	
AFAM 4507	Afro-Cuban Culture—International	4 SH		Mediterranean Basin	
	Study				

JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH	ANTH 2315	Religion and Modernity	4 SH
LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH	ANTH 2330	Environmental Anthropology	4 SH
MEST 2100	Modern Israel	4 SH	ANTH 2365	Sport, Culture, and Society	4 SH
MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH	ANTH 3450	Globalization: Theory and Practice	4 SH
MUSC 1129	Music of the Middle East	4 SH	ARCH 1310	History of World Architecture 1	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH	ARCH 1320	History of World Architecture 2	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH	CINE 2340	Marxism, Film, and Revolution	4 SH
POLS 4915	Model Arab League	4 SH	COMM 2303	Global and Intercultural Communication	4 SH
RELS 1280	Islam	4 SH	COMM 2325	Global Media	4 SH
RELS 1285	Jewish Religion and Culture	4 SH	ECON 1290	History of the Global Economy	4 SH
WMNS 2500	Women and Social Change in the Middle East	4 SH	ECON 3404	International Food Economics and Policy	4 SH
RUSSIA			ECON 4635	International Economics	4 SH
HIST 1285	Introduction to Russian Civilization	4 SH	ENGL 4683	Postcolonial Literature	4 SH
HIST 1286	History of the Soviet Union	4 SH	ENTR 2219	Business, Global Poverty, and the Microfinance Revolution	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH	HIST 1110	Introduction to World History	4 SH
HIST 2386	History of Soviet Cinema	4 SH	HIST 1202	Global Inequity	4 SH
HIST 2387	Soviet Secret Police	4 SH	HIST 1204	Third World Women	4 SH
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH	HIST 1205	The Global Economy	4 SH
HIST 3486	Commissars and Managers: Soviet Economic History	4 SH	HIST 1216	Mediterranean World since 1500	4 SH
HIST 4680	Topics in Russian History	4 SH	HIST 2211	World History since 1945	4 SH
HIST 4681	Topics in Soviet History	4 SH	HIST 2310	Spread of Buddhism	4 SH
LITR 3503	Russian Literature in Translation	4 SH	HIST 2311	Colonialism/Imperialism	4 SH
POLS 3450	Government and Politics in Russia	4 SH	HIST 2312	Global Migration and the Modern World	4 SH
POLS 3455	Russian Foreign Policy	4 SH	HIST 2315	Approaches to World History	4 SH
SOCL 1215	Society and Culture in Russia	4 SH	HIST 2320	Wealth and Poverty	4 SH
Global Dynamics			HIST 2392	African Diaspora	4 SH
Complete two global dynamics courses. <i>Note:</i> No course used to fulfill a major requirement may be used to satisfy the global dynamics requirement. See department for additional courses.			HIST 2398	Radicals, Terrorists, and Insurgents	4 SH
AFAM 1109	Foundations of Black Culture 1	4 SH	HIST 3411	Environment in the Age of Discovery	4 SH
AFAM 3441	Third World Political Relations	4 SH	HIST 3412	Global Environmental History	4 SH
AFAM 4639	Globalism, Racism, and Human Rights	4 SH	HIST 3445	Global Economic History	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH	HIST 3452	Global Chinese Migration	4 SH
AFRS 3310	Applied Research in the African Diaspora	4 SH	HIST 4610	Topics in World History	4 SH
AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH	HUSV 4920	International Human Services	4 SH
AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH	INTB 1201	Global Environment of International Business	4 SH
AFRS 4500 or ARTH 4500	Arts of the African Diaspora	4 SH	INTB 1203	International Business and Global Social Responsibility	4 SH
AFRS 4585	Current Issues in the African Diaspora	4 SH	INTB 1209	International Business and Global Social Responsibility	4 SH
ANTH 1101	Peoples and Cultures	4 SH	INTB 3310	Cultural Aspects of International Business	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH	INTL 3400	International Conflict and Negotiation	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH	INTL 3460	Transnational Activism in Global Civil Society	4 SH
			INTL 4940	Global Corps Practicum	4 SH
			INTL 4945	Dialogue of Civilizations: Global Issues in Comparative Perspective	4 SH
			LING 3412	Language and Culture	4 SH
			LITR 3500	International Perspectives	4 SH

LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH
MUSC 1127	Introduction to World Music	4 SH
MUSC 3470	War and Music	4 SH
PHIL 1130	Ethics: East and West	4 SH
PHIL 2327	Medieval Western Philosophy	4 SH
PHIL 5001	Global Justice	4 SH
POLS 1155	Comparative Politics	4 SH
POLS 1160	International Relations	4 SH
POLS 2370	Religion and Politics	4 SH
POLS 3405	International Political Economy	4 SH
POLS 3407	International Organizations	4 SH
POLS 3408	International Security	4 SH
POLS 3415	Ethnic Conflict in Comparative Politics	4 SH
POLS 3420	National Security, War, and Terrorism	4 SH
POLS 3441	Third World Political Relations	4 SH
POLS 3487	Politics of Developing Nations	4 SH
POLS 4510	International Law	4 SH
POLS 4515	Democracy in Comparative Politics	4 SH
POLS 4530	Revolution, Civil War, and Insurrection	4 SH
POLS 4580	Special Topics: Comparative Politics and International Relations	4 SH
POLS 4605	Seminar in Comparative Politics	4 SH
POLS 4610	Seminar in International Relations	4 SH
POLS 4910	Model United Nations	4 SH
POLS 4938	International Politics—Learning Abroad	4 SH
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
RELS 1272	Ethics in the World's Religions	4 SH
RELS 2313	Modern Jewish Diaspora	4 SH
SOCL 1246	Environment and Society	4 SH
SOCL 1268	Social Movements	4 SH
SOCL 2288	The Sociology of Globalization	4 SH
SOCL 3471	Social Conflict and Community Services Abroad	4 SH
SOCL 3480	Comparative Political Economy	4 SH
SOCL 4522	Political Ecology and Environmental Justice	4 SH

International Experiential Learning

Complete at least one “international semester” via study abroad, international internship, international co-op, or two approved short-term programs abroad.

INTERNATIONAL AFFAIRS FOREIGN LANGUAGE REQUIREMENT

Complete course work in a language through at least intermediate-level two (course number 2102 or 2302). *Note:* Completing this requirement satisfies the language requirement for the BA degree.

ANTHROPOLOGY REQUIREMENTS

Cultural Anthropology

Complete the following three courses with a grade of C– or higher:

ANTH 1101	Peoples and Cultures	4 SH
ANTH 2300	Reading Culture through Ethnography	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH

Anthropology Electives

Complete three courses from the following list. Two courses in study abroad may also count toward this requirement:

ANTH 2302	Gender and Sexuality: A Cross-Cultural Perspective	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH
ANTH 2315	Religion and Modernity	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH
ANTH 4510	Anthropology of Africa	4 SH
LING 3412	Language and Culture	4 SH

Social Science Electives

Complete two social science courses from the following subject areas. Social science electives may not include music or art: AFAM, AFRS, ECON, HIST, HUSV, INTL, LING, POLS, PSYC, or SOCL.

Advanced Anthropology Course

Complete the following course with a grade of C– or higher:

ANTH 4600	Senior Seminar in Cultural Anthropology	4 SH
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INTEGRATIVE REQUIREMENTS

Global Markets

Complete the following course. *Note:* ANTH 2305 counts both as a cultural anthropology course (above) and as a global markets course:

ANTH 2305	Global Markets and Local Culture	4 SH
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Capstone

Complete one of the following courses. *Note:* ANTH 4600 counts both as an advanced anthropology course (above) and as a capstone course:

ANTH 4600	Senior Seminar in Cultural Anthropology	4 SH
INTL 4700	Senior Capstone Seminar in International Affairs	4 SH

INTERNATIONAL AFFAIRS AND ANTHROPOLOGY COMBINED-MAJOR CREDIT REQUIREMENT

Complete 80 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in International Affairs and Economics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

INTERNATIONAL AFFAIRS REQUIREMENTS***International Affairs/Economics at Northeastern***

Complete one of the following courses:

INTL 1000	International Affairs at Northeastern	1 SH
or ECON 1000	Economics at Northeastern	1 SH

Required Courses

Complete the following three courses:

INTL 1101	Globalization and International Affairs	4 SH
INTL 3400	International Conflict and Negotiation	4 SH
POLS 1160	International Relations	4 SH

and complete one additional course from the following list:

ANTH 1101	Peoples and Cultures	4 SH
HIST 2211	World History since 1945	4 SH

Regional Analysis

Complete three regional analysis courses, at least two of which must be in one region, from the following lists. Select courses taken during a semester study abroad or specific “Dialogue of Civilizations” may count toward the regional analysis requirement pending the approval of the international affairs faculty head advisor. See department for additional courses.

AFRICA

AFRS 1128	The African Experience through Music	4 SH
AFRS 1180	African History	4 SH
or HIST 1180	African History	4 SH
AFRS 2307	Africa Today	4 SH
AFRS 2348	Arts and Culture of Africa	4 SH
AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
or HIST 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH
AFRS 3428	African Languages	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
or POLS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
AFRS 3470	Identity and Nationalism in Africa	4 SH

AFRS 4645	National Model OAU/African Union	4 SH
AFRS 4690	Topics in African History	4 SH
or HIST 4690	Topics in African History	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ENTR 3306	Global Entrepreneurship	4 SH
ENTR 3308	Business Economic History of South Africa	4 SH
HIST 2397	Africa in the Twentieth Century	4 SH
LING 3428	African Languages	4 SH
MUSC 1128	Music of Africa	4 SH
POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH

ASIA

ANTH 4515	Anthropology of South Asia	4 SH
ASNS 1150	East Asian Studies	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 1506	Introduction to Chinese Popular Culture	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
HIST 1189	Introduction to South Asian History	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1251	Modern East Asia	4 SH
HIST 1253	History of Vietnam Wars	4 SH
HIST 1254	Mao’s China and After	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2347	The CIA in Asia	4 SH
HIST 2350	Modern China	4 SH
HIST 2351	Global Japan	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH
HIST 3452	Global Chinese Migration	4 SH
HIST 4650	Topics in Asian History	4 SH
MUSC 1130	Music of Asia	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
RELS 1231	Image and Icon in South Asia	4 SH
RELS 1273	Jainism	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 1276	Indian Religions	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH
RELS 2394	Chinese Buddhism	4 SH
RELS 2395	Japanese Buddhism	4 SH
RELS 3395	Ramayana	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH

EUROPE			LITR 4870	Romantic Heritage	4 SH
ARTH 1111	Art + Design History since 1400	4 SH	MUSC 1124	Music of the Romantic Era	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH	POLS 3435	Politics in Western Europe	4 SH
CLTR 1280	French Film and Culture	4 SH	POLS 3440	Politics in Northern Ireland	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH	POLS 3445	Politics in Central and Eastern Europe	4 SH
			POLS 4917	Model European Union	4 SH
CLTR 1501	Introduction to French Culture	4 SH	SOCL 4535	European Union: Social and Political	4 SH
CLTR 1503	Introduction to Italian Culture	4 SH	THTR 2300	Theatre History	4 SH
CLTR 1504	Introduction to Spanish Culture	4 SH	LATIN AMERICA		
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH	AFAM 2301	Foundations of Black Culture 2	4 SH
			AFAM 2345	The Black Experience in the Caribbean	4 SH
CLTR 2504	Modern German Film and Literature	4 SH	AFAM 4507	Afro-Cuban Culture—International Study	4 SH
ECON 1293	European Economic History	4 SH	AFAM 4710	Field and Lab Methods for Researching Afro-Caribbean Music	4 SH
HIST 1170	Introduction to European History	4 SH	AFAM 4939	Afro-Caribbean Music Research	4 SH
HIST 1270	Ancient Greece	4 SH	ANTH 4500	Latin American Society and Development	4 SH
HIST 1271	Ancient Rome	4 SH	CLTR 1240	Latin American Film	4 SH
HIST 1272	The Invention of Europe 500–1500	4 SH	CLTR 1505	Introduction to Latin American Culture	4 SH
HIST 1273	Belief in Magic and Science in Europe	4 SH	CLTR 4507	Afro-Cuban Culture—International Study	4 SH
HIST 1281	Holocaust	4 SH	CLTR 4508	Cuban History through Film—International Study	4 SH
HIST 1294	Strangers in a Strange Land? European Jewish History 1750–1945	4 SH	ENTR 3316	Microfinance and Economic Development in Latin America	4 SH
HIST 2314	From Europe to Globalization	4 SH	ENTR 3318	Business, Economics, and History of Hispaniola and Latin America	4 SH
HIST 2370	Renaissance to Enlightenment	4 SH	ENVR 2942	Maritime History and Culture: The Caribbean	4 SH
HIST 2371	Europe 1870–1921	4 SH	ENVR 2943	Marine Environmental History: The Caribbean	4 SH
HIST 2372	Gender and Society in Modern Europe	4 SH	HIST 1187	Introduction to Latin American History	4 SH
HIST 2375	Culture and Identity in Early Modern England	4 SH	HIST 1260	Modern Latin America	4 SH
HIST 2376	The British Empire	4 SH	HIST 1261	The Modern Caribbean	4 SH
HIST 2377	Ireland and the Irish Migration	4 SH	HIST 4660	Topics in Latin American History	4 SH
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH	LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH
HIST 3475	The Culture of Europe	4 SH	LITR 1260	Caribbean Literature and Culture	4 SH
HIST 3485	Vienna, Prague, Budapest	4 SH	LITR 4655	Latin American Literature	4 SH
HIST 4670	Topics in European History	4 SH	MUSC 1131	Music of Latin America and the Caribbean	4 SH
HIST 4682	Topics in East European History	4 SH	POLS 3475	Government and Politics in Latin America	4 SH
HIST 4946	Independent Field Research Abroad: Central Europe	4 SH	MIDDLE EAST		
INTB 4602	European Union and Globalization	4 SH	CINE 3450	Israeli and Palestinian Film	4 SH
LITR 1250	Dante's Inferno and Medieval Italian Culture	4 SH	CLTR 1502	Introduction to Arabic Culture	4 SH
LITR 3502	Cervantes and His Times	4 SH	ECON 1292	Economic History of the Middle East	4 SH
LITR 4550	From Knights to Revolution: French Literature 1	4 SH	HIST 1185	Introduction to Middle Eastern History	4 SH
LITR 4551	From Reverie to Reality: French Literature 2	4 SH	HIST 1290	Modern Middle East	4 SH
LITR 4555	French Poetry	4 SH			
LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH			
LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH			
LITR 4565	Spanish Golden Age	4 SH			
LITR 4850	The Splendid Century	4 SH			
LITR 4860	Age of Enlightenment	4 SH			

HIST 1291	The Ottoman Empire (1300–1920)	4 SH	Global Dynamics		
HIST 1292	Jerusalem: Narratives and Visions	4 SH		Complete three global dynamics courses with one numbered 2000	
HIST 2393	Islam and Empires	4 SH		or above. See department for additional courses. <i>Note:</i> No course	
HIST 2394	Islamic Nationalism	4 SH		used to fulfill major requirements may be used to satisfy the global	
HIST 2395	Middle East in the Twentieth Century	4 SH		dynamics requirement:	
HIST 2396	The Middle East and Modernity	4 SH	AFAM 1109	Foundations of Black Culture 1	4 SH
HIST 4691	Topics in Middle Eastern History	4 SH	AFAM 3441	Third World Political Relations	4 SH
HIST 4944	Middle Eastern History and Culture	4 SH	AFAM 4639	Globalism, Racism, and Human	4 SH
	Independent Field Research Abroad			Rights	
INTL 1160	Middle East Studies	4 SH	AFRS 1185	Gender in the African Diaspora	4 SH
INTL 3565	Morocco: History, Cultures, and	4 SH	AFRS 3310	Applied Research in the African	4 SH
	Economic Development in the			Diaspora	
	Mediterranean Basin		AFRS 3410	Religion and Spirituality in the	4 SH
JWSS 2500	Zionism and the Challenges of Jewish	4 SH		African Diaspora	
	Statehood		AFRS 3424	Black Pandemics/Epidemiology of	4 SH
LITR 1150	Muslim Writers and the Qur'an (in	4 SH		Disease	
	English Translations)		AFRS 4500	Arts of the African Diaspora	4 SH
MEST 2100	Modern Israel	4 SH	or ARTH 4500	Arts of the African Diaspora	4 SH
MEST 2300	Nationalism, Religion, and Minorities	4 SH	AFRS 4585	Current Issues in the African Diaspora	4 SH
	in the Modern Middle East		ANTH 1101	Peoples and Cultures	4 SH
MUSC 1129	Music of the Middle East	4 SH	ANTH 2305	Global Markets and Local Culture	4 SH
POLS 3465	Government and Politics in the Middle	4 SH	ANTH 2312	The Anthropology of Masculinity	4 SH
	East		ANTH 2315	Religion and Modernity	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH	ANTH 2330	Environmental Anthropology	4 SH
POLS 4915	Model Arab League	4 SH	ANTH 2365	Sport, Culture, and Society	4 SH
RELS 1280	Islam	4 SH	ANTH 3450	Globalization: Theory and Practice	4 SH
RELS 1285	Jewish Religion and Culture	4 SH	ARCH 1310	History of World Architecture 1	4 SH
WMNS 2500	Women and Social Change in the	4 SH	ARCH 1320	History of World Architecture 2	4 SH
	Middle East		CINE 2340	Marxism, Film, and Revolution	4 SH
			COMM 2303	Global and Intercultural	4 SH
RUSSIA				Communication	
HIST 1285	Introduction to Russian Civilization	4 SH	COMM 2325	Global Media	4 SH
HIST 1286	History of the Soviet Union	4 SH	ECON 1290	History of the Global Economy	4 SH
HIST 2313	Gender and Revolution in Russia and	4 SH	ECON 3404	International Food Economics and	4 SH
	China			Policy	
HIST 2386	History of Soviet Cinema	4 SH	ECON 4635	International Economics	4 SH
HIST 2387	Soviet Secret Police	4 SH	ENGL 4683	Postcolonial Literature	4 SH
HIST 2388	Borderlands: World War II in Eastern	4 SH	ENTR 2219	Business, Global Poverty, and the	4 SH
	Europe			Microfinance Revolution	
HIST 3486	Commissars and Managers: Soviet	4 SH	HIST 1110	Introduction to World History	4 SH
	Economic History		HIST 1202	Global Inequity	4 SH
HIST 4680	Topics in Russian History	4 SH	HIST 1204	Third World Women	4 SH
HIST 4681	Topics in Soviet History	4 SH	HIST 1205	The Global Economy	4 SH
LITR 3503	Russian Literature in Translation	4 SH	HIST 1216	Mediterranean World since 1500	4 SH
POLS 3450	Government and Politics in Russia	4 SH	HIST 2211	World History since 1945	4 SH
POLS 3455	Russian Foreign Policy	4 SH	HIST 2310	Spread of Buddhism	4 SH
SOCL 1215	Society and Culture in Russia	4 SH	HIST 2311	Colonialism/Imperialism	4 SH
			HIST 2312	Global Migration and the Modern	4 SH
				World	
			HIST 2315	Approaches to World History	4 SH
			HIST 2320	Wealth and Poverty	4 SH
			HIST 2392	African Diaspora	4 SH
			HIST 2398	Radicals, Terrorists, and Insurgents	4 SH
			HIST 3411	Environment in the Age of Discovery	4 SH

HIST 3412	Global Environmental History	4 SH	SOCL 1268	Social Movements	4 SH
HIST 3445	Global Economic History	4 SH	SOCL 2288	The Sociology of Globalization	4 SH
HIST 3452	Global Chinese Migration	4 SH	SOCL 3471	Social Conflict and Community Services Abroad	4 SH
HIST 4610	Topics in World History	4 SH	SOCL 3480	Comparative Political Economy	4 SH
HUSV 4920	International Human Services	4 SH	SOCL 4522	Political Ecology and Environmental Justice	4 SH
INTB 1201	Global Environment of International Business	4 SH	<i>International Experiential Learning</i>		
INTB 1203	International Business and Global Social Responsibility	4 SH	Complete at least one “international semester” via study abroad, international internship, international co-op, or two approved short-term programs abroad.		
INTB 1209	International Business and Global Social Responsibility	4 SH	INTERNATIONAL AFFAIRS FOREIGN LANGUAGE REQUIREMENT		
INTB 3310	Cultural Aspects of International Business	4 SH	Complete course work in a language through at least intermediate- level two (course number 2102 or 2302). <i>Note:</i> Completing this requirement satisfies the language requirement for the BA degree.		
INTL 3400	International Conflict and Negotiation	4 SH	BREADTH COURSES REQUIREMENTS FOR ECONOMICS		
INTL 3460	Transnational Activism in Global Civil Society	4 SH	<i>Calculus</i>		
INTL 4940	Global Corps Practicum	4 SH	Complete the following calculus course:		
INTL 4945	Dialogue of Civilizations: Global Issues in Comparative Perspective	4 SH	MATH 1231	Calculus for Business and Economics	4 SH
LING 3412	Language and Culture	4 SH	<i>Computer Science</i>		
LITR 3500	International Perspectives	4 SH	Complete the following computer science course:		
LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH	CS 1100	Computer Science and Its Applications	4 SH
MUSC 1127	Introduction to World Music	4 SH	ECONOMICS MAJOR REQUIREMENTS		
MUSC 3470	War and Music	4 SH	Complete the following six courses. Grades in these courses must average a minimum of 2.000:		
PHIL 1130	Ethics: East and West	4 SH	ECON 1115	Principles of Macroeconomics	4 SH
PHIL 2327	Medieval Western Philosophy	4 SH	ECON 1116	Principles of Microeconomics	4 SH
PHIL 5001	Global Justice	4 SH	ECON 2315	Macroeconomic Theory	4 SH
POLS 1155	Comparative Politics	4 SH	ECON 2316	Microeconomic Theory	4 SH
POLS 2370	Religion and Politics	4 SH	ECON 2350	Statistics	4 SH
POLS 3405	International Political Economy	4 SH	ECON 3520	History of Economic Thought	4 SH
POLS 3407	International Organizations	4 SH	ECONOMICS ELECTIVES		
POLS 3408	International Security	4 SH	Complete three courses from the following list with a minimum of one numbered 3000 or above. Courses used to satisfy international affairs requirements may not be used as economics electives:		
POLS 3415	Ethnic Conflict in Comparative Politics	4 SH	ECON 1292	Economic History of the Middle East	4 SH
POLS 3420	National Security, War, and Terrorism	4 SH	ECON 1293	European Economic History	4 SH
POLS 3441	Third World Political Relations	4 SH	ECON 3404	International Food Economics and Policy	4 SH
POLS 3487	Politics of Developing Nations	4 SH	ECON 3405	A Critique of Capitalism	4 SH
POLS 4510	International Law	4 SH	ECON 4634	Comparative Economics	4 SH
POLS 4515	Democracy in Comparative Politics	4 SH	ECON 4635	International Economics	4 SH
POLS 4530	Revolution, Civil War, and Insurrection	4 SH	ECON 4650	Economic Growth and Applications	4 SH
POLS 4580	Special Topics: Comparative Politics and International Relations	4 SH	INTEGRATIVE REQUIREMENTS		
POLS 4605	Seminar in Comparative Politics	4 SH	<i>Development Economics</i>		
POLS 4610	Seminar in International Relations	4 SH	Complete the following course:		
POLS 4910	Model United Nations	4 SH	ECON 1291	Development Economics	4 SH
POLS 4938	International Politics—Learning Abroad	4 SH			
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH			
RELS 1272	Ethics in the World’s Religions	4 SH			
RELS 2313	Modern Jewish Diaspora	4 SH			
SOCL 1246	Environment and Society	4 SH			

Senior Seminar

Complete one of the following courses with a thesis or project that integrates both international affairs and economics:

ECON 4692	Senior Economics Seminar	4 SH
or INTL 4700	Senior Capstone Seminar in International Affairs	4 SH

**INTERNATIONAL AFFAIRS AND ECONOMICS
COMBINED-MAJOR CREDIT REQUIREMENT**

Complete 96 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in International Affairs and Religious Studies**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

INTERNATIONAL AFFAIRS REQUIREMENTS**Required Courses**

Complete the following three courses:

INTL 1101	Globalization and International Affairs	4 SH
INTL 3400	International Conflict and Negotiation	4 SH
POLS 1160	International Relations	4 SH

and complete one additional course from the following list:

ECON 1115	Principles of Macroeconomics	4 SH
HIST 2211	World History since 1945	4 SH
POLS 1155	Comparative Politics	4 SH

Regional Analysis

Complete two regional analysis courses, both of which must be in one region, from the following lists. Summer-session study abroads are also acceptable in combination with "Dialogue of Civilizations." See department for additional courses.

AFRICA

AFRS 1128	The African Experience through Music	4 SH
AFRS 1180	African History	4 SH
or HIST 1180	African History	4 SH
AFRS 2307	Africa Today	4 SH
AFRS 2348	Arts and Culture of Africa	4 SH
AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
or HIST 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH

AFRS 3428	African Languages	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
or POLS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
AFRS 3470	Identity and Nationalism in Africa	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
AFRS 4690	Topics in African History	4 SH
or HIST 4690	Topics in African History	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ENTR 3306	Global Entrepreneurship	4 SH
ENTR 3308	Business Economic History of South Africa	4 SH
HIST 2397	Africa in the Twentieth Century	4 SH
LING 3428	African Languages	4 SH
MUSC 1128	Music of Africa	4 SH
POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH

ASIA

ANTH 4515	Anthropology of South Asia	4 SH
ASNS 1150	East Asian Studies	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 1506	Introduction to Chinese Popular Culture	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
HIST 1189	Introduction to South Asian History	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1251	Modern East Asia	4 SH
HIST 1253	History of Vietnam Wars	4 SH
HIST 1254	Mao's China and After	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2347	The CIA in Asia	4 SH
HIST 2350	Modern China	4 SH
HIST 2351	Global Japan	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH
HIST 3452	Global Chinese Migration	4 SH
HIST 4650	Topics in Asian History	4 SH
MUSC 1130	Music of Asia	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
RELS 1231	Image and Icon in South Asia	4 SH
RELS 1273	Jainism	4 SH
RELS 1275	Eastern Religions	4 SH

RELS 1276	Indian Religions	4 SH	LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH			
RELS 2394	Chinese Buddhism	4 SH	LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
RELS 2395	Japanese Buddhism	4 SH			
RELS 3395	Ramayana	4 SH	LITR 4565	Spanish Golden Age	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH	LITR 4850	The Splendid Century	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH	LITR 4860	Age of Enlightenment	4 SH
EUROPE			LITR 4870	Romantic Heritage	4 SH
ARTH 1111	Art + Design History since 1400	4 SH	MUSC 1124	Music of the Romantic Era	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH	POLS 3435	Politics in Western Europe	4 SH
CLTR 1280	French Film and Culture	4 SH	POLS 3440	Politics in Northern Ireland	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH	POLS 3445	Politics in Central and Eastern Europe	4 SH
			POLS 4917	Model European Union	4 SH
CLTR 1501	Introduction to French Culture	4 SH	SOCL 4535	European Union: Social and Political	4 SH
CLTR 1503	Introduction to Italian Culture	4 SH	THTR 2300	Theatre History	4 SH
CLTR 1504	Introduction to Spanish Culture	4 SH	LATIN AMERICA		
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH	AFAM 2301	Foundations of Black Culture 2	4 SH
			AFAM 2345	The Black Experience in the Caribbean	4 SH
CLTR 2504	Modern German Film and Literature	4 SH			
ECON 1293	European Economic History	4 SH	AFAM 4507	Afro-Cuban Culture—International Study	4 SH
HIST 1170	Introduction to European History	4 SH			
HIST 1270	Ancient Greece	4 SH	AFAM 4710	Field and Lab Methods for Researching Afro-Caribbean Music	4 SH
HIST 1271	Ancient Rome	4 SH			
HIST 1272	The Invention of Europe 500–1500	4 SH	AFAM 4939	Afro-Caribbean Music Research	4 SH
HIST 1273	Belief in Magic and Science in Europe	4 SH	ANTH 4500	Latin American Society and Development	4 SH
HIST 1281	Holocaust	4 SH			
HIST 1294	Strangers in a Strange Land? European Jewish History 1750– 1945	4 SH	CLTR 1240	Latin American Film	4 SH
			CLTR 1505	Introduction to Latin American Culture	4 SH
HIST 2314	From Europe to Globalization	4 SH	CLTR 4507	Afro-Cuban Culture—International Study	4 SH
HIST 2370	Renaissance to Enlightenment	4 SH			
HIST 2371	Europe 1870–1921	4 SH	CLTR 4508	Cuban History through Film— International Study	4 SH
HIST 2372	Gender and Society in Modern Europe	4 SH			
HIST 2375	Culture and Identity in Early Modern England	4 SH	ENTR 3316	Microfinance and Economic Development in Latin America	4 SH
HIST 2376	The British Empire	4 SH	ENTR 3318	Business, Economics, and History of Hispaniola and Latin America	4 SH
HIST 2377	Ireland and the Irish Migration	4 SH			
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH	ENVR 2942	Maritime History and Culture: The Caribbean	4 SH
HIST 3475	The Culture of Europe	4 SH	ENVR 2943	Marine Environmental History: The Caribbean	4 SH
HIST 3485	Vienna, Prague, Budapest	4 SH			
HIST 4670	Topics in European History	4 SH	HIST 1187	Introduction to Latin American History	4 SH
HIST 4682	Topics in East European History	4 SH			
HIST 4946	Independent Field Research Abroad: Central Europe	4 SH	HIST 1260	Modern Latin America	4 SH
			HIST 1261	The Modern Caribbean	4 SH
LITR 1250	Dante’s Inferno and Medieval Italian Culture	4 SH	HIST 4660	Topics in Latin American History	4 SH
			LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH
LITR 3502	Cervantes and His Times	4 SH			
LITR 4550	From Knights to Revolution: French Literature 1	4 SH	LITR 1260	Caribbean Literature and Culture	4 SH
			LITR 4655	Latin American Literature	4 SH
LITR 4551	From Reverie to Reality: French Literature 2	4 SH	MUSC 1131	Music of Latin America and the Caribbean	4 SH
LITR 4555	French Poetry	4 SH	POLS 3475	Government and Politics in Latin America	4 SH

MIDDLE EAST

CINE 3450	Israeli and Palestinian Film	4 SH
CLTR 1502	Introduction to Arabic Culture	4 SH
ECON 1292	Economic History of the Middle East	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH
HIST 1290	Modern Middle East	4 SH
HIST 1291	The Ottoman Empire (1300–1920)	4 SH
HIST 1292	Jerusalem: Narratives and Visions	4 SH
HIST 2393	Islam and Empires	4 SH
HIST 2394	Islamic Nationalism	4 SH
HIST 2395	Middle East in the Twentieth Century	4 SH
HIST 2396	The Middle East and Modernity	4 SH
HIST 4691	Topics in Middle Eastern History	4 SH
HIST 4944	Middle Eastern History and Culture	4 SH
	Independent Field Research Abroad	
INTL 1160	Middle East Studies	4 SH
INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH
JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH
LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH
MEST 2100	Modern Israel	4 SH
MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH
MUSC 1129	Music of the Middle East	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH
POLS 4915	Model Arab League	4 SH
RELS 1280	Islam	4 SH
RELS 1285	Jewish Religion and Culture	4 SH
WMNS 2500	Women and Social Change in the Middle East	4 SH
RUSSIA		
HIST 1285	Introduction to Russian Civilization	4 SH
HIST 1286	History of the Soviet Union	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2386	History of Soviet Cinema	4 SH
HIST 2387	Soviet Secret Police	4 SH
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
HIST 3486	Commissars and Managers: Soviet Economic History	4 SH
HIST 4680	Topics in Russian History	4 SH
HIST 4681	Topics in Soviet History	4 SH
LITR 3503	Russian Literature in Translation	4 SH
POLS 3450	Government and Politics in Russia	4 SH
POLS 3455	Russian Foreign Policy	4 SH
SOCL 1215	Society and Culture in Russia	4 SH

Global Dynamics

Complete two global dynamics courses. *Note:* No course used to fulfill a major requirement may be used to satisfy the global dynamics requirement. See department for additional courses.

AFAM 1109	Foundations of Black Culture I	4 SH
AFAM 3441	Third World Political Relations	4 SH
AFAM 4639	Globalism, Racism, and Human Rights	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH
AFRS 3310	Applied Research in the African Diaspora	4 SH
AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH
AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH
AFRS 4500	Arts of the African Diaspora	4 SH
or ARTH 4500	Arts of the African Diaspora	4 SH
AFRS 4585	Current Issues in the African Diaspora	4 SH
ANTH 1101	Peoples and Cultures	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH
ANTH 2315	Religion and Modernity	4 SH
ANTH 2330	Environmental Anthropology	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH
ANTH 3450	Globalization: Theory and Practice	4 SH
ARCH 1310	History of World Architecture 1	4 SH
ARCH 1320	History of World Architecture 2	4 SH
CINE 2340	Marxism, Film, and Revolution	4 SH
COMM 2303	Global and Intercultural Communication	4 SH
COMM 2325	Global Media	4 SH
ECON 1290	History of the Global Economy	4 SH
ECON 3404	International Food Economics and Policy	4 SH
ECON 4635	International Economics	4 SH
ENGL 4683	Postcolonial Literature	4 SH
ENTR 2219	Business, Global Poverty, and the Microfinance Revolution	4 SH
HIST 1110	Introduction to World History	4 SH
HIST 1202	Global Inequity	4 SH
HIST 1204	Third World Women	4 SH
HIST 1205	The Global Economy	4 SH
HIST 1216	Mediterranean World since 1500	4 SH
HIST 2211	World History since 1945	4 SH
HIST 2310	Spread of Buddhism	4 SH
HIST 2311	Colonialism/Imperialism	4 SH
HIST 2312	Global Migration and the Modern World	4 SH
HIST 2315	Approaches to World History	4 SH
HIST 2320	Wealth and Poverty	4 SH
HIST 2392	African Diaspora	4 SH
HIST 2398	Radicals, Terrorists, and Insurgents	4 SH
HIST 3411	Environment in the Age of Discovery	4 SH
HIST 3412	Global Environmental History	4 SH

HIST 3445	Global Economic History	4 SH	SOCL 1268	Social Movements	4 SH
HIST 3452	Global Chinese Migration	4 SH	SOCL 2288	The Sociology of Globalization	4 SH
HIST 4610	Topics in World History	4 SH	SOCL 3471	Social Conflict and Community Services Abroad	4 SH
HUSV 4920	International Human Services	4 SH	SOCL 3480	Comparative Political Economy	4 SH
INTB 1201	Global Environment of International Business	4 SH	SOCL 4522	Political Ecology and Environmental Justice	4 SH
INTB 1203	International Business and Global Social Responsibility	4 SH	International Experiential Learning		
INTB 1209	International Business and Global Social Responsibility	4 SH	Complete at least one “international semester” via study abroad, international internship, international co-op, or two approved short-term programs abroad.		
INTB 3310	Cultural Aspects of International Business	4 SH	INTERNATIONAL AFFAIRS FOREIGN LANGUAGE REQUIREMENT		
INTL 3400	International Conflict and Negotiation	4 SH	Complete course work in a language through at least intermediate- level two (course number 2102 or 2302). <i>Note:</i> Completing this requirement satisfies the language requirement for the BA degree.		
INTL 3460	Transnational Activism in Global Civil Society	4 SH	RELIGIOUS STUDIES REQUIREMENTS		
INTL 4940	Global Corps Practicum	4 SH	Comparative Religion		
INTL 4945	Dialogue of Civilizations: Global Issues in Comparative Perspective	4 SH	Complete two of the following courses:		
LING 3412	Language and Culture	4 SH	PHIL 1130	Ethics: East and West	4 SH
LITR 3500	International Perspectives	4 SH	RELS 1230	Sound, Music, and Religion	4 SH
LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH	RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
MUSC 1127	Introduction to World Music	4 SH	RELS 1271	Sex in Judaism, Christianity, and Islam	4 SH
MUSC 3470	War and Music	4 SH	RELS 1272	Ethics in the World’s Religions	4 SH
PHIL 1130	Ethics: East and West	4 SH	RELS 1275	Eastern Religions	4 SH
PHIL 2327	Medieval Western Philosophy	4 SH	RELS 2300	Mysticism	4 SH
PHIL 5001	Global Justice	4 SH	RELS 2315	Adam and Eve and Their Interpreters	4 SH
POLS 1155	Comparative Politics	4 SH	RELS 3390	Cults and Sects	4 SH
POLS 1160	International Relations	4 SH	Ancient Mediterranean and African World Traditions		
POLS 2370	Religion and Politics	4 SH	Complete one of the following courses:		
POLS 3405	International Political Economy	4 SH	PHIL 2327	Medieval Western Philosophy	4 SH
POLS 3407	International Organizations	4 SH	PHIL 3445	Philosophy of Religion	4 SH
POLS 3408	International Security	4 SH	RELS 1150	Understanding the Bible	4 SH
POLS 3415	Ethnic Conflict in Comparative Politics	4 SH	RELS 1271	Sex in Judaism, Christianity, and Islam	4 SH
POLS 3420	National Security, War, and Terrorism	4 SH	RELS 1280	Islam	4 SH
POLS 3441	Third World Political Relations	4 SH	RELS 1285	Jewish Religion and Culture	4 SH
POLS 3487	Politics of Developing Nations	4 SH	RELS 2301	The Kabbalah: Jewish Mysticism from the Zohar to Madonna	4 SH
POLS 4510	International Law	4 SH	RELS 2314	Biblical Prophets and Their Interpreters	4 SH
POLS 4515	Democracy in Comparative Politics	4 SH	RELS 2315	Adam and Eve and Their Interpreters	4 SH
POLS 4530	Revolution, Civil War, and Insurrection	4 SH	RELS 2316	Interpreting the Bible	4 SH
POLS 4580	Special Topics: Comparative Politics and International Relations	4 SH	RELS 3390	Cults and Sects	4 SH
POLS 4605	Seminar in Comparative Politics	4 SH	Asian Traditions		
POLS 4610	Seminar in International Relations	4 SH	Complete one of the following courses:		
POLS 4910	Model United Nations	4 SH	RELS 1272	Ethics in the World’s Religions	4 SH
POLS 4938	International Politics—Learning Abroad	4 SH	RELS 1276	Indian Religions	4 SH
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH	RELS 1290	Chinese Philosophy and Religion	4 SH
RELS 1272	Ethics in the World’s Religions	4 SH	RELS 2394	Chinese Buddhism	4 SH
RELS 2313	Modern Jewish Diaspora	4 SH			
SOCL 1246	Environment and Society	4 SH			

RELS 2395	Japanese Buddhism	4 SH
RELS 3393	Asian Religions in the United States	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH

Religion and Culture

Complete one of the following courses:

RELS 1220	The Meaning of Death	4 SH
RELS 1230	Sound, Music, and Religion	4 SH
RELS 1271	Sex in Judaism, Christianity, and Islam	4 SH
RELS 1285	Jewish Religion and Culture	4 SH
RELS 2316	Interpreting the Bible	4 SH
RELS 3390	Cults and Sects	4 SH
WMNS 1103	Women's Studies	4 SH

Ethics

Complete one of the following courses:

PHIL 1130	Ethics: East and West	4 SH
PHIL 5001	Global Justice	4 SH
RELS 1272	Ethics in the World's Religions	4 SH
RELS 4606	Seminar: Theories and Methods in Religious Studies	4 SH

Religious Studies Electives

Complete three religious studies electives, two of which must be numbered 2000 or above.

INTEGRATIVE REQUIREMENTS**Capstone**

Complete the following course:

INTL 4700	Senior Capstone Seminar in International Affairs	4 SH
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INTERNATIONAL AFFAIRS/RELIGIOUS STUDIES COMBINED-MAJOR CREDIT REQUIREMENT

Complete 76 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Environmental Studies and International Affairs

See page 218.

BA in Human Services and International Affairs

See page 279.

BA in Languages, Literatures, and Cultures and International Affairs

See page 310.

BA in Political Science and International Affairs

See page 326.

Minor in International Affairs**REQUIRED COURSE**

Complete the following course:

INTL 1101	Globalization and International Affairs	4 SH
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REGIONAL ANALYSIS ELECTIVE COURSES

Complete two regional analysis courses from the following lists.

Select courses taken during a semester study abroad or specific "Dialogue of Civilizations" may count as regional analysis requirements pending approval of the international affairs head faculty advisor.

AFRICA

AFRS 1128	The African Experience through Music	4 SH
AFRS 1180	African History	4 SH
or HIST 1180	African History	4 SH
AFRS 2307	Africa Today	4 SH
AFRS 2348	Arts and Culture of Africa	4 SH
AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
or HIST 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH
AFRS 3428	African Languages	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
or POLS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
AFRS 3470	Identity and Nationalism in Africa	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
AFRS 4690	Topics in African History	4 SH
or HIST 4690	Topics in African History	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ENTR 3306	Global Entrepreneurship	4 SH
ENTR 3308	Business Economic History of South Africa	4 SH
HIST 2397	Africa in the Twentieth Century	4 SH
LING 3428	African Languages	4 SH
MUSC 1128	Music of Africa	4 SH
POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH

ASIA

ANTH 4515	Anthropology of South Asia	4 SH
ASNS 1150	East Asian Studies	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH

CLTR 1260	Japanese Film	4 SH	HIST 1294	Strangers in a Strange Land?	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH		European Jewish History 1750–	
CLTR 1506	Introduction to Chinese Popular Culture	4 SH		1945	
			HIST 2314	From Europe to Globalization	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH	HIST 2370	Renaissance to Enlightenment	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH	HIST 2371	Europe 1870–1921	4 SH
HIST 1189	Introduction to South Asian History	4 SH	HIST 2372	Gender and Society in Modern Europe	4 SH
HIST 1250	Emergence of East Asia	4 SH	HIST 2375	Culture and Identity in Early Modern England	4 SH
HIST 1251	Modern East Asia	4 SH			
HIST 1253	History of Vietnam Wars	4 SH	HIST 2376	The British Empire	4 SH
HIST 1254	Mao's China and After	4 SH	HIST 2377	Ireland and the Irish Migration	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH	HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH			
			HIST 3475	The Culture of Europe	4 SH
HIST 2347	The CIA in Asia	4 SH	HIST 3485	Vienna, Prague, Budapest	4 SH
HIST 2350	Modern China	4 SH	HIST 4670	Topics in European History	4 SH
HIST 2351	Global Japan	4 SH	HIST 4682	Topics in East European History	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH	HIST 4946	Independent Field Research Abroad: Central Europe	4 SH
HIST 3452	Global Chinese Migration	4 SH	INTB 4602	European Union and Globalization	4 SH
HIST 4650	Topics in Asian History	4 SH	LITR 1250	Dante's Inferno and Medieval Italian Culture	4 SH
MUSC 1130	Music of Asia	4 SH			
POLS 3480	Government and Politics in Japan	4 SH	LITR 3502	Cervantes and His Times	4 SH
POLS 3485	Government and Politics in China	4 SH	LITR 4550	From Knights to Revolution: French Literature 1	4 SH
RELS 1231	Image and Icon in South Asia	4 SH			
RELS 1273	Jainism	4 SH	LITR 4551	From Reverie to Reality: French Literature 2	4 SH
RELS 1275	Eastern Religions	4 SH			
RELS 1276	Indian Religions	4 SH	LITR 4555	French Poetry	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH	LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
RELS 2394	Chinese Buddhism	4 SH			
RELS 2395	Japanese Buddhism	4 SH	LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
RELS 3395	Ramayana	4 SH			
RELS 3398	Religion and Culture in Indian Cinema	4 SH	LITR 4565	Spanish Golden Age	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH	LITR 4850	The Splendid Century	4 SH
			LITR 4860	Age of Enlightenment	4 SH
EUROPE			LITR 4870	Romantic Heritage	4 SH
ARTH 1111	Art + Design History since 1400	4 SH	MUSC 1124	Music of the Romantic Era	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH	POLS 3435	Politics in Western Europe	4 SH
CLTR 1280	French Film and Culture	4 SH	POLS 3440	Politics in Northern Ireland	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH	POLS 3445	Politics in Central and Eastern Europe	4 SH
			POLS 4917	Model European Union	4 SH
CLTR 1501	Introduction to French Culture	4 SH	SOCL 4535	European Union: Social and Political	4 SH
CLTR 1503	Introduction to Italian Culture	4 SH	THTR 2300	Theatre History	4 SH
CLTR 1504	Introduction to Spanish Culture	4 SH			
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH	LATIN AMERICA		
			AFAM 2301	Foundations of Black Culture 2	4 SH
CLTR 2504	Modern German Film and Literature	4 SH	AFAM 2345	The Black Experience in the Caribbean	4 SH
ECON 1293	European Economic History	4 SH			
HIST 1170	Introduction to European History	4 SH	AFAM 4507	Afro-Cuban Culture—International Study	4 SH
HIST 1270	Ancient Greece	4 SH			
HIST 1271	Ancient Rome	4 SH	AFAM 4710	Field and Lab Methods for Researching Afro-Caribbean Music	4 SH
HIST 1272	The Invention of Europe 500–1500	4 SH			
HIST 1273	Belief in Magic and Science in Europe	4 SH	AFAM 4939	Afro-Caribbean Music Research	4 SH
HIST 1281	Holocaust	4 SH	ANTH 4500	Latin American Society and Development	4 SH

CLTR 1240	Latin American Film	4 SH	MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH
CLTR 1505	Introduction to Latin American Culture	4 SH	MUSC 1129	Music of the Middle East	4 SH
CLTR 4507	Afro-Cuban Culture—International Study	4 SH	POLS 3465	Government and Politics in the Middle East	4 SH
CLTR 4508	Cuban History through Film—International Study	4 SH	POLS 3470	Arab-Israeli Conflict	4 SH
ENTR 3316	Microfinance and Economic Development in Latin America	4 SH	POLS 4915	Model Arab League	4 SH
ENTR 3318	Business, Economics, and History of Hispaniola and Latin America	4 SH	RELS 1280	Islam	4 SH
ENVR 2942	Maritime History and Culture: The Caribbean	4 SH	RELS 1285	Jewish Religion and Culture	4 SH
ENVR 2943	Marine Environmental History: The Caribbean	4 SH	WMNS 2500	Women and Social Change in the Middle East	4 SH
HIST 1187	Introduction to Latin American History	4 SH	RUSSIA		
HIST 1260	Modern Latin America	4 SH	HIST 1285	Introduction to Russian Civilization	4 SH
HIST 1261	The Modern Caribbean	4 SH	HIST 1286	History of the Soviet Union	4 SH
HIST 4660	Topics in Latin American History	4 SH	HIST 2313	Gender and Revolution in Russia and China	4 SH
LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH	HIST 2386	History of Soviet Cinema	4 SH
LITR 1260	Caribbean Literature and Culture	4 SH	HIST 2387	Soviet Secret Police	4 SH
LITR 4655	Latin American Literature	4 SH	HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
MUSC 1131	Music of Latin America and the Caribbean	4 SH	HIST 3486	Commissars and Managers: Soviet Economic History	4 SH
POLS 3475	Government and Politics in Latin America	4 SH	HIST 4680	Topics in Russian History	4 SH
MIDDLE EAST			HIST 4681	Topics in Soviet History	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH	LITR 3503	Russian Literature in Translation	4 SH
CLTR 1502	Introduction to Arabic Culture	4 SH	POLS 3450	Government and Politics in Russia	4 SH
ECON 1292	Economic History of the Middle East	4 SH	POLS 3455	Russian Foreign Policy	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH	SOCL 1215	Society and Culture in Russia	4 SH
HIST 1290	Modern Middle East	4 SH			
HIST 1291	The Ottoman Empire (1300–1920)	4 SH	GLOBAL DYNAMICS ELECTIVE COURSES		
HIST 1292	Jerusalem: Narratives and Visions	4 SH	Complete two global dynamics courses from the following list:		
HIST 2393	Islam and Empires	4 SH	AFAM 1109	Foundations of Black Culture 1	4 SH
HIST 2394	Islamic Nationalism	4 SH	AFAM 3441	Third World Political Relations	4 SH
HIST 2395	Middle East in the Twentieth Century	4 SH	AFAM 4639	Globalism, Racism, and Human Rights	4 SH
HIST 2396	The Middle East and Modernity	4 SH	AFRS 1185	Gender in the African Diaspora	4 SH
HIST 4691	Topics in Middle Eastern History	4 SH	AFRS 3310	Applied Research in the African Diaspora	4 SH
HIST 4944	Middle Eastern History and Culture	4 SH	AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH
INTL 1160	Middle East Studies	4 SH	AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH
INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH	AFRS 4500	Arts of the African Diaspora	4 SH
JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH	or ARTH 4500	Arts of the African Diaspora	4 SH
LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH	AFRS 4585	Current Issues in the African Diaspora	4 SH
MEST 2100	Modern Israel	4 SH	ANTH 1101	Peoples and Cultures	4 SH
			ANTH 2305	Global Markets and Local Culture	4 SH
			ANTH 2312	The Anthropology of Masculinity	4 SH
			ANTH 2315	Religion and Modernity	4 SH
			ANTH 2330	Environmental Anthropology	4 SH
			ANTH 2365	Sport, Culture, and Society	4 SH
			ANTH 3450	Globalization: Theory and Practice	4 SH
			ARCH 1310	History of World Architecture 1	4 SH
			ARCH 1320	History of World Architecture 2	4 SH
			CINE 2340	Marxism, Film, and Revolution	4 SH

COMM 2303	Global and Intercultural Communication	4 SH	POLS 1160	International Relations	4 SH
			POLS 2370	Religion and Politics	4 SH
COMM 2325	Global Media	4 SH	POLS 3405	International Political Economy	4 SH
ECON 1290	History of the Global Economy	4 SH	POLS 3407	International Organizations	4 SH
ECON 3404	International Food Economics and Policy	4 SH	POLS 3408	International Security	4 SH
			POLS 3415	Ethnic Conflict in Comparative Politics	4 SH
ECON 4635	International Economics	4 SH			
ENGL 4683	Postcolonial Literature	4 SH	POLS 3420	National Security, War, and Terrorism	4 SH
ENTR 2219	Business, Global Poverty, and the Microfinance Revolution	4 SH	POLS 3441	Third World Political Relations	4 SH
			POLS 3487	Politics of Developing Nations	4 SH
HIST 1110	Introduction to World History	4 SH	POLS 4510	International Law	4 SH
HIST 1202	Global Inequity	4 SH	POLS 4515	Democracy in Comparative Politics	4 SH
HIST 1204	Third World Women	4 SH	POLS 4530	Revolution, Civil War, and Insurrection	4 SH
HIST 1205	The Global Economy	4 SH			
HIST 1216	Mediterranean World since 1500	4 SH	POLS 4580	Special Topics: Comparative Politics and International Relations	4 SH
HIST 2211	World History since 1945	4 SH			
HIST 2310	Spread of Buddhism	4 SH	POLS 4605	Seminar in Comparative Politics	4 SH
HIST 2311	Colonialism/Imperialism	4 SH	POLS 4610	Seminar in International Relations	4 SH
HIST 2312	Global Migration and the Modern World	4 SH	POLS 4910	Model United Nations	4 SH
			POLS 4938	International Politics—Learning Abroad	4 SH
HIST 2315	Approaches to World History	4 SH			
HIST 2320	Wealth and Poverty	4 SH	RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
HIST 2392	African Diaspora	4 SH			
HIST 2398	Radicals, Terrorists, and Insurgents	4 SH	RELS 1272	Ethics in the World's Religions	4 SH
HIST 3411	Environment in the Age of Discovery	4 SH	RELS 2313	Modern Jewish Diaspora	4 SH
HIST 3412	Global Environmental History	4 SH	SOCL 1246	Environment and Society	4 SH
HIST 3445	Global Economic History	4 SH	SOCL 1268	Social Movements	4 SH
HIST 3452	Global Chinese Migration	4 SH	SOCL 2288	The Sociology of Globalization	4 SH
HIST 4610	Topics in World History	4 SH	SOCL 3471	Social Conflict and Community Services Abroad	4 SH
HUSV 4920	International Human Services	4 SH			
INTB 1201	Global Environment of International Business	4 SH	SOCL 3480	Comparative Political Economy	4 SH
			SOCL 4522	Political Ecology and Environmental Justice	4 SH
INTB 1203	International Business and Global Social Responsibility	4 SH			
INTB 1209	International Business and Global Social Responsibility	4 SH			
INTB 3310	Cultural Aspects of International Business	4 SH			
INTL 3400	International Conflict and Negotiation	4 SH			
INTL 3460	Transnational Activism in Global Civil Society	4 SH			
INTL 4940	Global Corps Practicum	4 SH			
INTL 4945	Dialogue of Civilizations: Global Issues in Comparative Perspective	4 SH			
LING 3412	Language and Culture	4 SH			
LITR 3500	International Perspectives	4 SH			
LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH			
MUSC 1127	Introduction to World Music	4 SH			
MUSC 3470	War and Music	4 SH			
PHIL 1130	Ethics: East and West	4 SH			
PHIL 2327	Medieval Western Philosophy	4 SH			
PHIL 5001	Global Justice	4 SH			
POLS 1155	Comparative Politics	4 SH			

GPA REQUIREMENT

2.000 GPA required in the minor

Middle East Studies Minor

The minor in Middle East studies is an interdisciplinary program, drawing on courses in international affairs; political science; history; philosophy; religion; economics; anthropology; and languages, literatures, and cultures. The program provides an in-depth study of the Middle East (Arab world, Israel, Iran, and Turkey) and aims to enhance students' understanding of this culturally diverse and politically important region of the world. Students are encouraged to take advantage of the University's study-abroad programs and the "Dialogue of Civilizations" programs (faculty-led summer programs) in Egypt, Morocco, Turkey, Israel and Palestine, and other approved programs in the region.

Minor in Middle East Studies

REQUIRED COURSES

Complete the following three courses:

HIST 1185	Introduction to Middle Eastern History	4 SH
or HIST 1290	Modern Middle East	4 SH
INTL 1160	Middle East Studies	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
or POLS 3470	Arab-Israeli Conflict	4 SH

Elective Courses

Complete two courses from the following list. Elective courses may include courses taken as part of an approved study-abroad program. *Note:* Courses used as required courses (above) may not be used as elective courses:

ARAB 1101	Elementary Arabic 1	4 SH
ARAB 1102	Elementary Arabic 2	4 SH
ARAB 1301	Elementary Arabic Immersion 1	4 SH
ARAB 1302	Elementary Arabic Immersion 2	4 SH
ARAB 2101	Intermediate Arabic 1	4 SH
ARAB 2102	Intermediate Arabic 2	4 SH
ARAB 2301	Intermediate Arabic Immersion 1	4 SH
ARAB 2302	Intermediate Arabic Immersion 2	4 SH
ARAB 3101	Advanced Arabic 1	4 SH
ARAB 3102	Advanced Arabic 2	4 SH
ARAB 3301	Advanced Arabic Immersion 1	4 SH
ARAB 3302	Advanced Arabic Immersion 2	4 SH
CINE 3450	Israeli and Palestinian Film	4 SH
CLTR 1502	Introduction to Arabic Culture	4 SH
ECON 1292	Economic History of the Middle East	4 SH
HBRW 1101	Elementary Hebrew 1	4 SH
HBRW 1102	Elementary Hebrew 2	4 SH
HBRW 2101	Intermediate Hebrew 1	4 SH
HBRW 2102	Intermediate Hebrew 2	4 SH
HBRW 3101	Advanced Hebrew 1	4 SH
HBRW 3102	Advanced Hebrew 2	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH
HIST 1290	Modern Middle East	4 SH
HIST 1291	The Ottoman Empire (1300–1920)	4 SH
HIST 1292	Jerusalem: Narratives and Visions	4 SH
HIST 2393	Islam and Empires	4 SH
HIST 2394	Islamic Nationalism	4 SH
HIST 2395	Middle East in the Twentieth Century	4 SH
HIST 2396	The Middle East and Modernity	4 SH
HIST 4691	Topics in Middle Eastern History	4 SH
HIST 4944	Middle Eastern History and Culture Independent Field Research Abroad	4 SH
INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH
JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH

LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH
MEST 2100	Modern Israel	4 SH
MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH
MEST 2360	Human Rights in the Middle East	4 SH
MUSC 1129	Music of the Middle East	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH
POLS 4915	Model Arab League	4 SH
RELS 1280	Islam	4 SH
RELS 1285	Jewish Religion and Culture	4 SH
WMNS 2500	Women and Social Change in the Middle East	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Modern and Classical Greek Studies

Complete a total of six courses as specified below.

LANGUAGE REQUIREMENTS

Complete the following two Greek language courses:

GREK 1101	Elementary Modern Greek 1	4 SH
GREK 1102	Elementary Modern Greek 2	4 SH

ELECTIVE REQUIREMENTS

Complete four courses from the following list:

COMM 2310	Classical Rhetorical Theory	4 SH
COMM 3306	International Communication Abroad	4 SH
HIST 1270	Ancient Greece	4 SH
INTL 4938	Dialogue of Civilizations: Globalization and Social Sciences	4 SH
with ABRD 5147	International Study—Greece	0 SH
PHIL 2325	Ancient Philosophy	4 SH
POLS 2326	Premodern Political Thought	4 SH
POLS 3435	Politics in Western Europe	4 SH

ADDITIONAL ELECTIVE(S)

Students should complete an additional elective (from the above list of electives) for each language course that is waived.

GPA REQUIREMENT

2.000 GPA required in the minor

JEWISH STUDIES

www.jewishstudies.neu.edu

LORI H. LEFKOVITZ, PhD

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Jewish studies explores the history, religion, and culture of a people that has survived for thousands of years. Judaism and Jewish culture have not only shaped Christianity and Islam, they also have taken root in nearly every country in the world and produced vibrant art, music, and literature. Jewish studies crosses nearly every discipline: history, music, political science, international affairs, sociology, women's studies, religion, philosophy, and modern languages. Displaying considerable ethnic, racial, and religious variety, moreover, the Jewish community provides students of all backgrounds the opportunity to explore cultural diversity through the lens of the Jewish experience.

The Jewish studies program offers both a minor and a combined major in Jewish studies and religion. The minor allows students to combine their interest in Jewish studies with a major in another area. A unique academic feature of the minor is the Jewish studies module, in which students bring together their Jewish studies background and their major field of study in an original project. The combined major is designed for students looking for both in-depth knowledge of Jewish studies and broad familiarity with other major religions. It is ideal for students interested in graduate work in Jewish studies or religious studies or in careers as rabbis, cantors, or Jewish educators. In addition, students interested in the field of human services can pursue the specialization in social justice, identity, and religion within the human services major. This option is especially well suited for those interested in careers in Jewish communal services.

A special feature of the Jewish studies program is the long-standing cooperative relationship between Northeastern University and Hebrew College. In one of the most expansive partnerships between a private university and a Jewish college, the two institutions share resources and expertise; create joint faculty appointments; allow for tuition-free cross-registration and concurrent library privileges at both institutions; and, most recently, have established a new integrated bachelor's-master's degree program that allows students to earn two degrees in five years: a BA from Northeastern University and either a Master of Arts in Jewish Studies (MAJS) or a Master of Jewish Education (MJEd) from Hebrew College.

Study abroad, either in Israel through the Dialogues of Civilization program or in other locations around the world, is a

significant aspect of Jewish studies. Experiential learning in the Jewish studies program includes these study-abroad opportunities, as well as internships or co-ops at organizations such as the Jewish Community Relations Council, Facing History and Ourselves, the Jewish Women's Archive, and the Israeli Consulate. Scholarships are also available to support Jewish studies students interested in the study of the Holocaust.

Transferring to the Major

Same as college standards. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Northeastern University–Hebrew College Partnership

A cooperative relationship between Northeastern University and Hebrew College allows cross-registration and concurrent library privileges at both institutions, as well as an integrated five-year program through which students can earn an undergraduate degree from Northeastern and an MA or MJEd from Hebrew College. For more information contact the Jewish studies program at 617.373.7045 or www.northeastern.edu/jewishstudies.

Academic Progression Standards

Same as college standards.

BA in Jewish Studies and Religion

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

JEWISH STUDIES

Required Course

Complete the following course:

RELS 1285	Jewish Religion and Culture	4 SH
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Jewish Religion and Thought

Complete one course from the following list. *Note:* This course may also count as a religious studies elective:

PHIL 3385	History of Jewish Rationalism	4 SH
PHIL 4605	Advanced Seminar: Spinoza	4 SH
RELS 1286	American Judaism	4 SH
RELS 1287	Modern Judaism	4 SH
RELS 2301	The Kabbalah: Jewish Mysticism from the Zohar to Madonna	4 SH
RELS 2313	Modern Jewish Diaspora	4 SH
RELS 2315	Adam and Eve and Their Interpreters	4 SH
RELS 3387	Religion, Nation, and Identity in Modern Jewish Thought	4 SH

Jewish History

Complete two courses from the following list:

HIST 1281	Holocaust	4 SH
HIST 1294	Strangers in a Strange Land? European Jewish History 1750– 1945	4 SH
HIST 2280	Hitler, Germany, and the Holocaust	4 SH
HIST 3431	American Jewish History	4 SH

Jewish Art and Culture

Complete one course from the following list:

JWSS 2259	Women in Jewish Culture	4 SH
JWSS 3460	Jewish Film	4 SH
MUSC 1132	Music of the Jewish People	4 SH

Jewish Studies Electives

Complete three courses from the following list:

HIST 1281	Holocaust	4 SH
HIST 1290	Modern Middle East	4 SH
HIST 1294	Strangers in a Strange Land? European Jewish History 1750– 1945	4 SH
HIST 2280	Hitler, Germany, and the Holocaust	4 SH
HIST 3431	American Jewish History	4 SH
HIST 4670	Topics in European History	4 SH
HIST 7306	Research Seminar in Twentieth- Century Europe	4 SH
HUSV 3560	Religion, Human Services, and Diversity in the United States	4 SH
JWSS 2259	Women in Jewish Culture	4 SH
JWSS 3447	Topics in Jewish Studies	4 SH
JWSS 3460	Jewish Film	4 SH
JWSS 4992	Directed Study	4 SH
MUSC 1132	Music of the Jewish People	4 SH
POLS 2370	Religion and Politics	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH
RELS 1150	Understanding the Bible	4 SH
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
RELS 1286	American Judaism	4 SH
RELS 1287	Modern Judaism	4 SH
RELS 2300	Mysticism	4 SH
RELS 2313	Modern Jewish Diaspora	4 SH
RELS 2315	Adam and Eve and Their Interpreters	4 SH
RELS 2322	Responses to the Holocaust	4 SH
RELS 3387	Religion, Nation, and Identity in Modern Jewish Thought	4 SH
SOCL 1240	Sociology of Prejudice and Violence	4 SH
SOCL 1270	Race and Ethnic Relations	4 SH

RELIGION REQUIREMENTS**Required Course**

Complete the following course:

RELS 1150	Understanding the Bible	4 SH
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Religion

Complete two courses from the following list:

PHIL 2325	Ancient Philosophy	4 SH
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 1280	Islam	4 SH

Comparative Religions

Complete one course from the following list:

PHIL 2327	Medieval Western Philosophy	4 SH
RELS 1230	Sound, Music, and Religion	4 SH
RELS 1271	Sex in Judaism, Christianity, and Islam	4 SH
RELS 1272	Ethics in the World's Religions	4 SH
RELS 2300	Mysticism	4 SH

Philosophy or Religion Seminar

Complete one seminar from the following list:

PHIL 4605	Advanced Seminar: Spinoza	4 SH
PHIL 4901	Topics in Philosophy Seminar	4 SH
PHIL 4902	Great Philosophers Seminar	4 SH
RELS 4547	Seminar: Apocalypticism	4 SH
RELS 4606	Seminar: Theories and Methods in Religious Studies	4 SH
RELS 4903	Seminar in Religion	4 SH
RELS 4904	Major Figures in Religious Studies	4 SH
RELS 4906	Topics in Religious Studies	4 SH

Religious Studies Electives

Complete four courses from the following list:

AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH
PHIL 1130	Ethics: East and West	4 SH
PHIL 2327	Medieval Western Philosophy	4 SH
PHIL 3385	History of Jewish Rationalism	4 SH
PHIL 3445	Philosophy of Religion	4 SH
PHIL 4605	Advanced Seminar: Spinoza	4 SH
PHIL 4901	Topics in Philosophy Seminar	4 SH
PHIL 4902	Great Philosophers Seminar	4 SH
PHIL 4991	Research	4 SH
PHIL 4994	Internship	4 SH
RELS 1110	Introduction to Religion	4 SH
RELS 1150	Understanding the Bible	4 SH
RELS 1220	The Meaning of Death	4 SH
RELS 1230	Sound, Music, and Religion	4 SH
RELS 1231	Image and Icon in South Asia	4 SH
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
RELS 1272	Ethics in the World's Religions	4 SH
RELS 1273	Jainism	4 SH
RELS 1275	Eastern Religions	4 SH

RELS 1276	Indian Religions	4 SH
RELS 1280	Islam	4 SH
RELS 1285	Jewish Religion and Culture	4 SH
RELS 1286	American Judaism	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH
RELS 1295	Religious Perspectives on Health and Healing	4 SH
RELS 2300	Mysticism	4 SH
RELS 2315	Adam and Eve and Their Interpreters	4 SH
RELS 2322	Responses to the Holocaust	4 SH
RELS 2394	Chinese Buddhism	4 SH
RELS 2395	Japanese Buddhism	4 SH
RELS 3387	Religion, Nation, and Identity in Modern Jewish Thought	4 SH
RELS 3390	Cults and Sects	4 SH
RELS 3393	Asian Religions in the United States	4 SH
RELS 3395	Ramayana	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH
RELS 4546	Advanced Biblical Studies: Hebrew Bible	4 SH
RELS 4547	Seminar: Apocalypticism	4 SH
RELS 4606	Seminar: Theories and Methods in Religious Studies	4 SH
RELS 4903	Seminar in Religion	4 SH
RELS 4904	Major Figures in Religious Studies	4 SH
RELS 4906	Topics in Religious Studies	4 SH

INTEGRATIVE REQUIREMENT

Complete one of the following courses. *Note:* This course may count as a religion seminar or as a Jewish history course:

HIST 1294	Strangers in a Strange Land? European Jewish History 1750–1945	4 SH
HIST 3431	American Jewish History	4 SH
RELS 4547	Seminar: Apocalypticism	4 SH

LANGUAGE REQUIREMENT

Hebrew Language Introduction

Complete the following two courses. These courses also count toward the BA language requirement:

HBRW 1101	Elementary Hebrew 1	4 SH
HBRW 1102	Elementary Hebrew 2	4 SH

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

Minor in Jewish Studies

REQUIRED COURSES

Complete the following two courses:

JWSS 4660	Jewish Studies Module	1 SH
RELS 1285	Jewish Religion and Culture	4 SH

ELECTIVE COURSES

Complete four courses from the following list:

HBRW 1101	Elementary Hebrew 1	4 SH
HBRW 1102	Elementary Hebrew 2	4 SH
HIST 1281	Holocaust	4 SH
HIST 1290	Modern Middle East	4 SH
HIST 1294	Strangers in a Strange Land? European Jewish History 1750–1945	4 SH
HIST 2280	Hitler, Germany, and the Holocaust	4 SH
HIST 3431	American Jewish History	4 SH
HIST 4670	Topics in European History	4 SH
HIST 7306	Research Seminar in Twentieth-Century Europe	4 SH
HUSV 3560	Religion, Human Services, and Diversity in the United States	4 SH
JWSS 2259	Women in Jewish Culture	4 SH
JWSS 3447	Topics in Jewish Studies	4 SH
JWSS 3460	Jewish Film	4 SH
JWSS 4992	Directed Study	4 SH
MUSC 1132	Music of the Jewish People	4 SH
PHIL 3385	History of Jewish Rationalism	4 SH
POLS 2370	Religion and Politics	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH
RELS 1150	Understanding the Bible	4 SH
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
RELS 1286	American Judaism	4 SH
RELS 1287	Modern Judaism	4 SH
RELS 2300	Mysticism	4 SH
RELS 2313	Modern Jewish Diaspora	4 SH
RELS 2315	Adam and Eve and Their Interpreters	4 SH
RELS 2322	Responses to the Holocaust	4 SH
RELS 3387	Religion, Nation, and Identity in Modern Jewish Thought	4 SH
SOCL 1240	Sociology of Prejudice and Violence	4 SH
SOCL 1270	Race and Ethnic Relations	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

LANGUAGES, LITERATURES, AND CULTURES

www.northeastern.edu/llc

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The study of languages can benefit all students, regardless of their majors. The multicultural world in which we live requires increased communication among varied and often divergent cultures. Learning a new language and its culture enables students to cross cultural barriers and to achieve a more cosmopolitan, open-minded, and sensitive view of the world.

The major seeks to ensure that students become as fluent as possible in a given language and introduces them to the relevant culture of that language. For this reason, the students take a number of language classes as well as literature, cinema, and general civilization courses. In addition, students are required to participate in study abroad and are urged to consider participating in international co-op, which prepares students to function on an everyday level in a foreign country.

The major is currently available in Spanish. It is possible to minor in Arabic, Chinese, French, Italian, Japanese, or Spanish.

A major in a language can form the basis for careers in teaching at the elementary, secondary, or college level; international business relations; high-tech fields; government service; journalism; library science; world affairs; travel; and community service, especially in Spanish-speaking areas.

BA in Spanish

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

SPANISH MAJOR REQUIREMENTS

Language Requirements

Complete the following three courses:

SPNS 2102	Intermediate Spanish 2	4 SH
SPNS 3101	Advanced Spanish 1	4 SH
SPNS 3102	Advanced Spanish 2	4 SH

Language and Linguistics

Complete the following course:

LING 1150	Introduction to Language and Linguistics	4 SH
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Culture

Complete the following four courses:

CLTR 1120	Introduction to Languages, Literature, and Culture	4 SH
CLTR 1240	Latin American Film	4 SH
CLTR 1504	Introduction to Spanish Culture	4 SH
CLTR 1505	Introduction to Latin American Culture	4 SH

Literature

Complete the following four courses:

LITR 3502	Cervantes and His Times	4 SH
LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
LITR 4655	Latin American Literature	4 SH

Spanish Seminar

Complete the following seminar:

LANG 4800	Special Topics in Language	4 SH
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Study Abroad/Experiential Learning

Please see department for details.

Capstone

Complete the capstone below:

LANG 4700	Capstone Seminar	1 SH
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SPANISH MAJOR CREDIT REQUIREMENT

Complete 53 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Languages, Literatures, and Cultures and International Affairs

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

MODERN LANGUAGE REQUIREMENTS

Language Requirements

Complete the following three courses in the language of your major:

FRENCH		
FRNH 2101	Intermediate French 1	4 SH
FRNH 2102	Intermediate French 2	4 SH
FRNH 3101	Advanced French 1	4 SH

SPANISH			LITR 4550	From Knights to Revolution: French Literature 1	4 SH
SPNS 2101	Intermediate Spanish 1	4 SH	LITR 4551	From Reverie to Reality: French Literature 2	4 SH
SPNS 2102	Intermediate Spanish 2	4 SH	LITR 4555	French Poetry	4 SH
SPNS 3101	Advanced Spanish 1	4 SH	LITR 4850	The Splendid Century	4 SH
Culture			LITR 4860	Age of Enlightenment	4 SH
Complete the following course:			LITR 4870	Romantic Heritage	4 SH
CLTR 1120	Introduction to Languages, Literature, and Culture	4 SH	SPANISH		
Literature			SPNS 2990 to SPNS 3990		
Complete one course from the following list in the language of your major:			LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
FRENCH			LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
LITR 4550	From Knights to Revolution: French Literature 1	4 SH	LITR 4565	Spanish Golden Age	4 SH
LITR 4551	From Reverie to Reality: French Literature 2	4 SH	LITR 4655	Latin American Literature	4 SH
SPANISH			INTERNATIONAL AFFAIRS REQUIREMENTS		
LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH	Required Courses		
LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH	Complete the following three courses:		
Advanced Language			ECON 1115	Principles of Macroeconomics	4 SH
Complete two advanced literature/cultural courses in the language of your major while on study abroad:			or ECON 1116	Principles of Microeconomics	4 SH
FRENCH			INTL 1101	Globalization and International Affairs	4 SH
FRNH 2101 to FRNH 5999			INTL 3400	International Conflict and Negotiation	4 SH
LANG 4670	Topics in French	4 SH	Regional Analysis		
LITR 4550	From Knights to Revolution: French Literature 1	4 SH	Complete three regional analysis courses, two of which must be in one region, from the following lists. See department for additional courses.		
LITR 4551	From Reverie to Reality: French Literature 2	4 SH	AFRICA		
LITR 4555	French Poetry	4 SH	AFRS 1128	The African Experience through Music	4 SH
LITR 4850	The Splendid Century	4 SH	AFRS 1180	African History	4 SH
LITR 4860	Age of Enlightenment	4 SH	or HIST 1180	African History	4 SH
LITR 4870	Romantic Heritage	4 SH	AFRS 2307	Africa Today	4 SH
SPANISH			AFRS 2348	Arts and Culture of Africa	4 SH
SPNS 2101 to SPNS 5999			AFRS 2390	Africa and the World in Early Times	4 SH
LANG 4970	Junior/Senior Honors Project 1	4 SH	or HIST 2390	Africa and the World in Early Times	4 SH
LANG 4971	Junior/Senior Honors Project 2	4 SH	AFRS 2391	Modern African Civilization	4 SH
LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH	or HIST 2391	Modern African Civilization	4 SH
LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH	AFRS 2392	African Diaspora	4 SH
LITR 4565	Spanish Golden Age	4 SH	AFRS 3428	African Languages	4 SH
LITR 4655	Latin American Literature	4 SH	AFRS 3460	Contemporary Government and Politics in Africa	4 SH
Language Electives			or POLS 3460	Contemporary Government and Politics in Africa	4 SH
Complete three electives in the language of your major numbered 3000 or above:			AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
FRENCH			AFRS 3470	Identity and Nationalism in Africa	4 SH
FRNH 2990 to FRNH 4999			AFRS 4645	National Model OAU/African Union	4 SH
LANG 3438	Structure of French	4 SH	AFRS 4690	Topics in African History	4 SH
LANG 4670	Topics in French	4 SH	ANTH 4510	Anthropology of Africa	4 SH
			ENTR 3306	Global Entrepreneurship	4 SH
			ENTR 3308	Business Economic History of South Africa	4 SH

HIST 2397	Africa in the Twentieth Century	4 SH	CLTR 1290	Realism and Modernism in Italian Film	4 SH
LING 3428	African Languages	4 SH	CLTR 1501	Introduction to French Culture	4 SH
MUSC 1128	Music of Africa	4 SH	CLTR 1503	Introduction to Italian Culture	4 SH
or HIST 4690	Topics in African History	4 SH	CLTR 1504	Introduction to Spanish Culture	4 SH
POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH	CLTR 2280	French Film and World War II: The German Occupation of France	4 SH
ASIA					
ANTH 4515	Anthropology of South Asia	4 SH	CLTR 2504	Modern German Film and Literature	4 SH
ASNS 1150	East Asian Studies	4 SH	ECON 1293	European Economic History	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH	HIST 1170	Introduction to European History	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH	HIST 1270	Ancient Greece	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH	HIST 1271	Ancient Rome	4 SH
CLTR 1260	Japanese Film	4 SH	HIST 1272	The Invention of Europe 500–1500	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH	HIST 1273	Belief in Magic and Science in Europe	4 SH
CLTR 1506	Introduction to Chinese Popular Culture	4 SH	HIST 1281	Holocaust	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH	HIST 1294	Strangers in a Strange Land? European Jewish History 1750–1945	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH	HIST 2314	From Europe to Globalization	4 SH
HIST 1189	Introduction to South Asian History	4 SH	HIST 2370	Renaissance to Enlightenment	4 SH
HIST 1250	Emergence of East Asia	4 SH	HIST 2371	Europe 1870–1921	4 SH
HIST 1251	Modern East Asia	4 SH	HIST 2372	Gender and Society in Modern Europe	4 SH
HIST 1253	History of Vietnam Wars	4 SH	HIST 2375	Culture and Identity in Early Modern England	4 SH
HIST 1254	Mao's China and After	4 SH	HIST 2376	The British Empire	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH	HIST 2377	Ireland and the Irish Migration	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH	HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
HIST 2347	The CIA in Asia	4 SH	HIST 3475	The Culture of Europe	4 SH
HIST 2350	Modern China	4 SH	HIST 3485	Vienna, Prague, Budapest	4 SH
HIST 2351	Global Japan	4 SH	HIST 4670	Topics in European History	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH	HIST 4682	Topics in East European History	4 SH
HIST 3452	Global Chinese Migration	4 SH	HIST 4946	Independent Field Research Abroad: Central Europe	4 SH
HIST 4650	Topics in Asian History	4 SH	INTB 4602	European Union and Globalization	4 SH
MUSC 1130	Music of Asia	4 SH	LITR 1250	Dante's Inferno and Medieval Italian Culture	4 SH
POLS 3480	Government and Politics in Japan	4 SH	LITR 3502	Cervantes and His Times	4 SH
POLS 3485	Government and Politics in China	4 SH	LITR 4550	From Knights to Revolution: French Literature 1	4 SH
RELS 1231	Image and Icon in South Asia	4 SH	LITR 4551	From Reverie to Reality: French Literature 2	4 SH
RELS 1273	Jainism	4 SH	LITR 4555	French Poetry	4 SH
RELS 1275	Eastern Religions	4 SH	LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
RELS 1276	Indian Religions	4 SH	LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH	LITR 4565	Spanish Golden Age	4 SH
RELS 2394	Chinese Buddhism	4 SH	LITR 4850	The Splendid Century	4 SH
RELS 2395	Japanese Buddhism	4 SH	LITR 4860	Age of Enlightenment	4 SH
RELS 3395	Ramayana	4 SH	LITR 4870	Romantic Heritage	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH	MUSC 1124	Music of the Romantic Era	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH			
EUROPE					
ARTH 1111	Art + Design History since 1400	4 SH			
CLTR 1265	Spanish Civil War on Film	4 SH			
CLTR 1280	French Film and Culture	4 SH			

POLS 3435	Politics in Western Europe	4 SH	HIST 2393	Islam and Empires	4 SH
POLS 3440	Politics in Northern Ireland	4 SH	HIST 2394	Islamic Nationalism	4 SH
POLS 3445	Politics in Central and Eastern Europe	4 SH	HIST 2395	Middle East in the Twentieth Century	4 SH
POLS 4917	Model European Union	4 SH	HIST 2396	The Middle East and Modernity	4 SH
SOCL 4535	European Union: Social and Political	4 SH	HIST 4691	Topics in Middle Eastern History	4 SH
THTR 2300	Theatre History	4 SH	HIST 4944	Middle Eastern History and Culture	4 SH
LATIN AMERICA				Independent Field Research Abroad	
AFAM 2301	Foundations of Black Culture 2	4 SH	INTL 1160	Middle East Studies	4 SH
AFAM 2345	The Black Experience in the Caribbean	4 SH	INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH
AFAM 4507	Afro-Cuban Culture—International Study	4 SH	JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH
AFAM 4710	Field and Lab Methods for Researching Afro-Caribbean Music	4 SH	LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH
AFAM 4939	Afro-Caribbean Music Research	4 SH	MEST 2100	Modern Israel	4 SH
ANTH 4500	Latin American Society and Development	4 SH	MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH
CLTR 1240	Latin American Film	4 SH	MUSC 1129	Music of the Middle East	4 SH
CLTR 1505	Introduction to Latin American Culture	4 SH	POLS 3465	Government and Politics in the Middle East	4 SH
CLTR 4507	Afro-Cuban Culture—International Study	4 SH	POLS 3470	Arab-Israeli Conflict	4 SH
CLTR 4508	Cuban History through Film—International Study	4 SH	POLS 4915	Model Arab League	4 SH
ENTR 3316	Microfinance and Economic Development in Latin America	4 SH	RELS 1280	Islam	4 SH
ENTR 3318	Business, Economics, and History of Hispaniola and Latin America	4 SH	RELS 1285	Jewish Religion and Culture	4 SH
ENVR 2942	Maritime History and Culture: The Caribbean	4 SH	WMNS 2500	Women and Social Change in the Middle East	4 SH
ENVR 2943	Marine Environmental History: The Caribbean	4 SH			
HIST 1187	Introduction to Latin American History	4 SH	RUSSIA		
HIST 1260	Modern Latin America	4 SH	HIST 1285	Introduction to Russian Civilization	4 SH
HIST 1261	The Modern Caribbean	4 SH	HIST 1286	History of the Soviet Union	4 SH
HIST 4660	Topics in Latin American History	4 SH	HIST 2313	Gender and Revolution in Russia and China	4 SH
LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH	HIST 2386	History of Soviet Cinema	4 SH
LITR 1260	Caribbean Literature and Culture	4 SH	HIST 2387	Soviet Secret Police	4 SH
LITR 4655	Latin American Literature	4 SH	HIST 2388	Borderlands: World War II in Eastern Europe	4 SH
MUSC 1131	Music of Latin America and the Caribbean	4 SH	HIST 3486	Commissars and Managers: Soviet Economic History	4 SH
POLS 3475	Government and Politics in Latin America	4 SH	HIST 4680	Topics in Russian History	4 SH
			HIST 4681	Topics in Soviet History	4 SH
			LITR 3503	Russian Literature in Translation	4 SH
			POLS 3450	Government and Politics in Russia	4 SH
			POLS 3455	Russian Foreign Policy	4 SH
			SOCL 1215	Society and Culture in Russia	4 SH
			Global Dynamics		
			Complete three global dynamics courses from the following list:		
			AFAM 1109	Foundations of Black Culture 1	4 SH
			AFAM 3441	Third World Political Relations	4 SH
			AFAM 4639	Globalism, Racism, and Human Rights	4 SH
			AFRS 1185	Gender in the African Diaspora	4 SH
			AFRS 3310	Applied Research in the African Diaspora	4 SH
MIDDLE EAST					
CINE 3450	Israeli and Palestinian Film	4 SH			
CLTR 1502	Introduction to Arabic Culture	4 SH			
ECON 1292	Economic History of the Middle East	4 SH			
HIST 1185	Introduction to Middle Eastern History	4 SH			
HIST 1290	Modern Middle East	4 SH			
HIST 1291	The Ottoman Empire (1300–1920)	4 SH			
HIST 1292	Jerusalem: Narratives and Visions	4 SH			

AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH	INTB 3310	Cultural Aspects of International Business	4 SH
AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH	INTL 3400	International Conflict and Negotiation	4 SH
AFRS 4500	Arts of the African Diaspora	4 SH	INTL 3460	Transnational Activism in Global Civil Society	4 SH
or ARTH 4500	Arts of the African Diaspora	4 SH	INTL 4940	Global Corps Practicum	4 SH
AFRS 4585	Current Issues in the African Diaspora	4 SH	INTL 4945	Dialogue of Civilizations: Global Issues in Comparative Perspective	4 SH
ANTH 1101	Peoples and Cultures	4 SH	LING 3412	Language and Culture	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH	LITR 3500	International Perspectives	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH	LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH
ANTH 2315	Religion and Modernity	4 SH	MUSC 1127	Introduction to World Music	4 SH
ANTH 2330	Environmental Anthropology	4 SH	MUSC 3470	War and Music	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH	PHIL 1130	Ethics: East and West	4 SH
ANTH 3450	Globalization: Theory and Practice	4 SH	PHIL 2327	Medieval Western Philosophy	4 SH
ARCH 1310	History of World Architecture 1	4 SH	PHIL 5001	Global Justice	4 SH
ARCH 1320	History of World Architecture 2	4 SH	POLS 1155	Comparative Politics	4 SH
CINE 2340	Marxism, Film, and Revolution	4 SH	POLS 1160	International Relations	4 SH
COMM 2303	Global and Intercultural Communication	4 SH	POLS 2370	Religion and Politics	4 SH
COMM 2325	Global Media	4 SH	POLS 3405	International Political Economy	4 SH
ECON 1290	History of the Global Economy	4 SH	POLS 3407	International Organizations	4 SH
ECON 3404	International Food Economics and Policy	4 SH	POLS 3408	International Security	4 SH
ECON 4635	International Economics	4 SH	POLS 3415	Ethnic Conflict in Comparative Politics	4 SH
ENGL 4683	Postcolonial Literature	4 SH	POLS 3420	National Security, War, and Terrorism	4 SH
ENTR 2219	Business, Global Poverty, and the Microfinance Revolution	4 SH	POLS 3441	Third World Political Relations	4 SH
HIST 1110	Introduction to World History	4 SH	POLS 3487	Politics of Developing Nations	4 SH
HIST 1202	Global Inequity	4 SH	POLS 4510	International Law	4 SH
HIST 1204	Third World Women	4 SH	POLS 4515	Democracy in Comparative Politics	4 SH
HIST 1205	The Global Economy	4 SH	POLS 4530	Revolution, Civil War, and Insurrection	4 SH
HIST 1216	Mediterranean World since 1500	4 SH	POLS 4580	Special Topics: Comparative Politics and International Relations	4 SH
HIST 2211	World History since 1945	4 SH	POLS 4605	Seminar in Comparative Politics	4 SH
HIST 2310	Spread of Buddhism	4 SH	POLS 4610	Seminar in International Relations	4 SH
HIST 2311	Colonialism/Imperialism	4 SH	POLS 4910	Model United Nations	4 SH
HIST 2312	Global Migration and the Modern World	4 SH	POLS 4938	International Politics—Learning Abroad	4 SH
HIST 2315	Approaches to World History	4 SH	RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
HIST 2320	Wealth and Poverty	4 SH	RELS 1272	Ethics in the World's Religions	4 SH
HIST 2392	African Diaspora	4 SH	RELS 2313	Modern Jewish Diaspora	4 SH
HIST 2398	Radicals, Terrorists, and Insurgents	4 SH	SOCL 1246	Environment and Society	4 SH
HIST 3411	Environment in the Age of Discovery	4 SH	SOCL 1268	Social Movements	4 SH
HIST 3412	Global Environmental History	4 SH	SOCL 2288	The Sociology of Globalization	4 SH
HIST 3445	Global Economic History	4 SH	SOCL 3471	Social Conflict and Community Services Abroad	4 SH
HIST 3452	Global Chinese Migration	4 SH	SOCL 3480	Comparative Political Economy	4 SH
HIST 4610	Topics in World History	4 SH	SOCL 4522	Political Ecology and Environmental Justice	4 SH
HUSV 4920	International Human Services	4 SH			
INTB 1201	Global Environment of International Business	4 SH			
INTB 1203	International Business and Global Social Responsibility	4 SH			
INTB 1209	International Business and Global Social Responsibility	4 SH			

INTEGRATIVE COURSES**Capstone**

Complete the following two courses:

INTL 4700	Senior Capstone Seminar in International Affairs	4 SH
LITR 3500	International Perspectives	4 SH

EXPERIENTIAL LEARNING REQUIREMENT**Study Abroad/Experiential Learning**

Complete at least one semester via study abroad.

LANGUAGES, LITERATURES, AND CULTURES AND INTERNATIONAL AFFAIRS COMBINED-MAJOR CREDIT/GPA REQUIREMENTS

Complete 88 semester hours in the major with a 3.000 GPA.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in Cinema Studies and Languages, Literatures, and Cultures

See page 65.

Minor in Arabic**REQUIRED CULTURE COURSES**

Complete the following two courses:

CLTR 1120	Introduction to Languages, Literature, and Culture	4 SH
CLTR 1502	Introduction to Arabic Culture	4 SH

REQUIRED LANGUAGE COURSES

Complete the following four courses. Students with prior language skills in Arabic are allowed to waive up to four ARAB language courses:

ARAB 1101	Elementary Arabic 1	4 SH
ARAB 1102	Elementary Arabic 2	4 SH
ARAB 2101	Intermediate Arabic 1	4 SH
ARAB 2102	Intermediate Arabic 2	4 SH

ELECTIVE

Complete one course from the following list:

ARAB 3101	Advanced Arabic 1	4 SH
ARAB 3102	Advanced Arabic 2	4 SH
ARAB 3800	Special Topics in Arabic	4 SH
ARAB 4800	Special Topics in Arabic	4 SH

ARAB 4992	Directed Study	4 SH
ARAB 4993	Independent Study	4 SH
HIST 1185	Introduction to Middle Eastern History	4 SH
HIST 1290	Modern Middle East	4 SH
INTL 1160	Middle East Studies	4 SH
INTL 4939	Dialogue of Civilizations: Globalization, Humanities, and Cultural Studies	4 SH
LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Chinese**REQUIRED COURSES**

Complete the following two courses:

ASNS 1150	East Asian Studies	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH

REQUIRED LANGUAGE COURSES

Complete the following four courses. Students with prior language skills in Chinese are allowed to waive up to four CHNS language courses:

CHNS 1101	Elementary Chinese 1	4 SH
CHNS 1102	Elementary Chinese 2	4 SH
CHNS 2101	Intermediate Chinese 1	4 SH
CHNS 2102	Intermediate Chinese 2	4 SH

ELECTIVE

Complete one course from the following list:

CHNS 3101	Advanced Chinese 1	4 SH
CHNS 3102	Advanced Chinese 2	4 SH
CHNS 3800	Special Topics in Chinese	4 SH
CHNS 4800	Special Topics in Chinese	4 SH
CHNS 4992	Directed Study	4 SH
CHNS 4993	Independent Study	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
INTL 4939	Dialogue of Civilizations: Globalization, Humanities, and Cultural Studies	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in French**REQUIRED COURSES**

Complete the following three courses:

CLTR 1501	Introduction to French Culture	4 SH
FRNH 2102	Intermediate French 2	4 SH
FRNH 3101	Advanced French 1	4 SH

CULTURE

Complete the following course:

CLTR 1120	Introduction to Languages, Literature, and Culture	4 SH
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MASTERPIECES SERIES

Complete one of the following courses:

LITR 4550	From Knights to Revolution: French Literature 1	4 SH
or LITR 4551	From Reverie to Reality: French Literature 2	4 SH

ADVANCED ELECTIVE

Complete one course from the following list:

FRNH 3102	Advanced French 2	4 SH
LANG 4670	Topics in French	4 SH
LITR 4550	From Knights to Revolution: French Literature 1	4 SH
or LITR 4551	From Reverie to Reality: French Literature 2	4 SH
LITR 4555	French Poetry	4 SH
LITR 4850	The Splendid Century	4 SH
LITR 4860	Age of Enlightenment	4 SH
LITR 4870	Romantic Heritage	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Italian**REQUIRED CULTURE COURSES**

Complete the following two courses:

CLTR 1120	Introduction to Languages, Literature, and Culture	4 SH
CLTR 1503	Introduction to Italian Culture	4 SH

REQUIRED LANGUAGE COURSES

Complete the following four courses. Students with prior language skills in Italian are allowed to waive up to four ITLN language courses:

ITLN 1101	Elementary Italian 1	4 SH
ITLN 1102	Elementary Italian 2	4 SH
ITLN 2101	Intermediate Italian 1	4 SH
ITLN 2102	Intermediate Italian 2	4 SH

ELECTIVE

Complete one course from the following list:

CLTR 1290	Realism and Modernism in Italian Film	4 SH
INTL 4939	Dialogue of Civilizations: Globalization, Humanities, and Cultural Studies	4 SH
ITLN 3101	Advanced Italian 1	4 SH
ITLN 3102	Advanced Italian 2	4 SH
ITLN 3800	Special Topics in Italian	4 SH
ITLN 4800	Special Topics in Italian	4 SH
ITLN 4992	Directed Study	4 SH

ITLN 4993	Independent Study	4 SH
LITR 1250	Dante's Inferno and Medieval Italian Culture	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Japanese**REQUIRED COURSES**

Complete the following two courses:

ASNS 1150	East Asian Studies	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH

REQUIRED LANGUAGE COURSES

Complete the following four courses. Students with prior language skills in Japanese are allowed to waive up to four JPNS language courses:

JPNS 1101	Elementary Japanese 1	4 SH
JPNS 1102	Elementary Japanese 2	4 SH
JPNS 2101	Intermediate Japanese 1	4 SH
JPNS 2102	Intermediate Japanese 2	4 SH

ELECTIVE

Complete one course from the following list:

CLTR 1260	Japanese Film	4 SH
HIST 2252	Japanese Literature and Culture	4 SH
HIST 2351	Global Japan	4 SH
INTL 4939	Dialogue of Civilizations: Globalization, Humanities, and Cultural Studies	4 SH
JPNS 3101	Advanced Japanese 1	4 SH
JPNS 3102	Advanced Japanese 2	4 SH
JPNS 3800	Special Topics in Japanese	4 SH
JPNS 4800	Special Topics in Japanese	4 SH
JPNS 4992	Directed Study	4 SH
JPNS 4993	Independent Study	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Spanish**REQUIRED COURSES**

Complete the following three courses:

CLTR 1504	Introduction to Spanish Culture	4 SH
or CLTR 1505	Introduction to Latin American Culture	4 SH
SPNS 2102	Intermediate Spanish 2	4 SH
SPNS 3101	Advanced Spanish 1	4 SH

CULTURE

Complete the following course:

CLTR 1120	Introduction to Languages, Literature, and Culture	4 SH
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MASTERPIECES SERIES

Complete one of the following courses:

LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
or LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH

ADVANCED ELECTIVE

Complete one course from the following list:

CLTR 1240	Latin American Film	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
LANG 4800	Special Topics in Language	4 SH
LITR 3502	Cervantes and His Times	4 SH
LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH
or LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH
LITR 4565	Spanish Golden Age	4 SH
LITR 4655	Latin American Literature	4 SH
SPNS 3102	Advanced Spanish 2	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Modern and Classical Greek Studies

See page 306.

PHILOSOPHY AND RELIGION

www.philosophy.neu.edu

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Philosophy addresses questions and theories related to morality, society, religion, and the natural and social sciences. The study of philosophy challenges students to examine, through critical reflection, their beliefs in many areas.

Courses aim to provide students with an understanding of the methods and traditions of philosophical and religious thought. Through readings, discussion, and writing, students examine questions concerning the nature and validity of religious beliefs, moral judgments, political ideas, and scientific theories, as well as questions about values and social policy in such areas as law, medicine, and technology. Course work in philosophy can strengthen the student's work in other areas.

The program in religion offers students the opportunity to acquire an understanding of religious experience within its social,

historical, literary, and political context. Students study specific religious traditions such as Judaism, Islam, and Hinduism, and using a comparative approach they explore themes across faith traditions. Through the major, a student has the opportunity to study a range of religions and a variety of methods of understanding the key dimensions of religious life.

Transferring to the Major

A minimum cumulative GPA of 2.000 is required to transfer to the major. Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

A minimum cumulative GPA of 2.000 is required to remain in good standing in the major.

The Philosophy Major

Philosophy majors enter diverse careers, ranging from college-level teaching to law and business. The program strives to help students sharpen their critical abilities. The department offers three ways to major in philosophy: the standard major, the concentration in law and ethics, and the concentration in religious studies.

BA/BS in Philosophy**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA (BA STUDENTS ONLY)

See page 31 for requirement list.

CONCENTRATION

Complete the philosophy generalist requirements, the concentration in law and ethics, or the concentration in religious studies.

Philosophy Generalist**PHILOSOPHY REQUIRED COURSES**

Complete the following three courses:

PHIL 1115	Introduction to Logic	4 SH
or PHIL 1215	Symbolic Logic	4 SH
PHIL 2325	Ancient Philosophy	4 SH
PHIL 2330	Modern Philosophy	4 SH

ADVANCED PHILOSOPHY ELECTIVE

Complete one course from the following list:

PHIL 3435	Moral Philosophy	4 SH
PHIL 4500	Theory of Knowledge	4 SH
PHIL 4505	Metaphysics	4 SH
PHIL 4535	Philosophy of Mind	4 SH

PHILOSOPHY SEMINAR

Complete one philosophy seminar:

PHIL 4605	Advanced Seminar: Spinoza	4 SH
PHIL 4901	Topics in Philosophy Seminar	4 SH

PHIL 4902	Great Philosophers Seminar	4 SH	AFAM 4549	Public Policy and Black America	4 SH
RELS 4547	Seminar: Apocalypticism	4 SH	AFAM 4639	Globalism, Racism, and Human Rights	4 SH
RELS 4606	Seminar: Theories and Methods in Religious Studies	4 SH	AFRS 3460	Contemporary Government and Politics in Africa	4 SH
RELS 4903	Seminar in Religion	4 SH	CRIM 2100	Criminal Due Process	4 SH
ADDITIONAL ELECTIVES			CRIM 2200	Criminology	4 SH
Complete four additional elective courses in philosophy.			CRIM 3200	Juvenile Justice	4 SH
<i>Concentration in Law and Ethics</i>			CRIM 4010	Gender, Crime, and Justice	4 SH
PHILOSOPHY REQUIRED COURSES			CRIM 4020	Race, Crime, and Justice	4 SH
Complete the following four courses:			CRIM 4110	Legal Philosophy	4 SH
PHIL 1115	Introduction to Logic	4 SH	CRIM 4610	Youth Gangs	4 SH
or PHIL 1215	Symbolic Logic	4 SH	CRIM 4630	Political Crime and Terrorism	4 SH
PHIL 2325	Ancient Philosophy	4 SH	CRIM 4670	Comparative Criminal Justice	4 SH
PHIL 2330	Modern Philosophy	4 SH	ECON 1270	Economic Status of Ethnic Minorities	4 SH
PHIL 3435	Moral Philosophy	4 SH	ECON 3440	Public Finance	4 SH
PHILOSOPHY SEMINAR			ECON 3442	Money and Banking	4 SH
Complete one philosophy seminar:			ECON 3461	Government and Business	4 SH
PHIL 4605	Advanced Seminar: Spinoza	4 SH	ECON 3520	History of Economic Thought	4 SH
PHIL 4901	Topics in Philosophy Seminar	4 SH	ENGL 3325	Rhetoric of Law	4 SH
PHIL 4902	Great Philosophers Seminar	4 SH	HIST 1203	Constructing the Modern Family	4 SH
RELS 4547	Seminar: Apocalypticism	4 SH	HIST 1205	The Global Economy	4 SH
RELS 4606	Seminar: Theories and Methods in Religious Studies	4 SH	HIST 1212	History of Race	4 SH
RELS 4903	Seminar in Religion	4 SH	HIST 1213	History of Violence	4 SH
ETHICS-RELATED ELECTIVES			HIST 2335	American Constitution 1: 1783–1865	4 SH
Complete two courses from the following list:			HIST 2336	American Constitution 2: 1865–Present	4 SH
PHIL 1102	Introduction to Contemporary Moral Issues	4 SH	HIST 2337	African-American History before 1900	4 SH
PHIL 1130	Ethics: East and West	4 SH	HIST 2340	Cultural History of the U.S.	4 SH
PHIL 1145	Technology and Human Values	4 SH	HIST 3430	Political Reform in America	4 SH
PHIL 1165	Moral and Social Problems in Health Care	4 SH	IM 2300	Managing Media Development	4 SH
PHIL 1170	Business Ethics	4 SH	INTL 1101	Globalization and International Affairs	4 SH
PHIL 1180	Environmental Ethics	4 SH	INTL 3400	International Conflict and Negotiation	4 SH
PHIL 2301	Philosophical Problems of Law and Justice	4 SH	JRNL 3550	Law of the Press	4 SH
PHIL 2302	Philosophical Problems of War and Peace	4 SH	POLS 2357	Growth and Decline of Cities and Suburbs	4 SH
PHIL 2303	Social and Political Philosophy	4 SH	POLS 3302	Judicial Process and Behavior	4 SH
PHIL 2304	Philosophical Problems of Economic Justice	4 SH	POLS 3324	Law and Society	4 SH
PHIL 3480	Environmental Philosophy	4 SH	POLS 4500	U.S. Constitutional Law	4 SH
RELS 1272	Ethics in the World's Religions	4 SH	POLS 4505	U.S. Civil Liberties	4 SH
PHILOSOPHY ELECTIVE			POLS 4615	Seminar in Public Law	4 SH
Complete one elective course in philosophy.			POLS 4905	Moot Court	4 SH
LAW-RELATED ELECTIVES			SOCL 1205	Law and Social Justice	4 SH
Complete two courses from social science departments. These courses are to be chosen in consultation with the department:			SOCL 1232	American Society	4 SH
AFAM 2337	African-American History before 1900	4 SH	SOCL 1241	Sociology of Violence	4 SH
AFAM 2338	African-American History since 1900	4 SH	SOCL 1245	Sociology of Poverty	4 SH
AFAM 2339	Analysis of American Racism	4 SH	SOCL 1246	Environment and Society	4 SH
AFAM 2360	Politics of Poverty	4 SH	SOCL 2358	Current Issues in Cities and Suburbs	4 SH
			SOCL 3401	Social Policy and Intervention	4 SH
			SOCL 3402	Feminist Perspectives on Society	4 SH
			SOCL 3406	Class, Crime, and the Legal System	4 SH
			SOCL 4518	Law and Social Issues	4 SH

SOCL 4522	Political Ecology and Environmental Justice	4 SH
SOCL 4535	European Union: Social and Political	4 SH
URBS 2358	Current Issues in Cities and Suburbs	4 SH

Concentration in Religious Studies

PHILOSOPHY REQUIRED COURSES

Complete the following four courses:

PHIL 1115	Introduction to Logic	4 SH
or PHIL 1215	Symbolic Logic	4 SH
PHIL 2325	Ancient Philosophy	4 SH
PHIL 2330	Modern Philosophy	4 SH
PHIL 3435	Moral Philosophy	4 SH

PHILOSOPHY SEMINAR

Complete one philosophy seminar:

PHIL 4605	Advanced Seminar: Spinoza	4 SH
PHIL 4901	Topics in Philosophy Seminar	4 SH
PHIL 4902	Great Philosophers Seminar	4 SH
RELS 4547	Seminar: Apocalypticism	4 SH
RELS 4606	Seminar: Theories and Methods in Religious Studies	4 SH
RELS 4903	Seminar in Religion	4 SH
RELS 4904	Major Figures in Religious Studies	4 SH
RELS 4906	Topics in Religious Studies	4 SH

RELIGIOUS STUDIES COURSES

Complete three elective courses. See department for an approved list.

PHILOSOPHY ELECTIVE

Complete one elective course in philosophy.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

PHILOSOPHY MAJOR CREDIT REQUIREMENT

Complete 32 semester hours in the major.

UPPER-DIVISION ELECTIVES

Complete three general electives numbered 3000 or above. *Note:* Courses used as upper-division electives do not count toward the NU Core.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

Major in Religious Studies

The religious studies major is designed to introduce students to a wide variety of religious experience and expression in the world. Through this major, students are exposed to the basic features of the world's religions and the ethical systems that accompany them. They also have an opportunity to explore diverse methodological approaches to the study of religions in general. This major is designed to give students the expertise to prepare them for graduate school in religious studies or to enhance their abilities in any career that requires a liberal arts education.

BA in Religious Studies

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

RELIGIOUS STUDIES MAJOR REQUIREMENTS

Religious Areas

Complete one course from each of the following five religious areas. *Note:* A course cannot be used to meet the requirement for more than one area.

COMPARATIVE RELIGION

PHIL 1130	Ethics: East and West	4 SH
RELS 1230	Sound, Music, and Religion	4 SH
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
RELS 1272	Ethics in the World's Religions	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 2300	Mysticism	4 SH
RELS 3390	Cults and Sects	4 SH

ANCIENT MEDITERRANEAN

AND AFRICAN WORLD TRADITIONS

PHIL 2327	Medieval Western Philosophy	4 SH
PHIL 3445	Philosophy of Religion	4 SH
RELS 1150	Understanding the Bible	4 SH
RELS 1271	Sex in Judaism, Christianity, and Islam	4 SH
RELS 1280	Islam	4 SH
RELS 1285	Jewish Religion and Culture	4 SH
RELS 1287	Modern Judaism	4 SH
RELS 2315	Adam and Eve and Their Interpreters	4 SH
RELS 3390	Cults and Sects	4 SH

ASIAN TRADITIONS

RELS 1272	Ethics in the World's Religions	4 SH
RELS 1276	Indian Religions	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH
RELS 2394	Chinese Buddhism	4 SH
RELS 2395	Japanese Buddhism	4 SH
RELS 3393	Asian Religions in the United States	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH

RELIGION AND CULTURE

RELS 1104	Goddesses, Witches, Saints, and Sinners: Women in Western Religions	4 SH
RELS 1220	The Meaning of Death	4 SH
RELS 1230	Sound, Music, and Religion	4 SH
RELS 1271	Sex in Judaism, Christianity, and Islam	4 SH
RELS 1285	Jewish Religion and Culture	4 SH
RELS 2315	Adam and Eve and Their Interpreters	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH

RELIGIOUS TEXTS

RELS 1150	Understanding the Bible	4 SH
RELS 2315	Adam and Eve and Their Interpreters	4 SH
RELS 2394	Chinese Buddhism	4 SH
RELS 2395	Japanese Buddhism	4 SH
RELS 3395	Ramayana	4 SH

Required Courses

Complete one of the following courses:

RELS 4606	Seminar: Theories and Methods in Religious Studies	4 SH
RELS 4904	Major Figures in Religious Studies	4 SH
RELS 4906	Topics in Religious Studies	4 SH

Religious Studies Electives

Complete three religious studies electives. Two electives must be numbered above 2000.

EXPERIENTIAL LEARNING REQUIREMENT

Complete one course in experiential learning. Please see department for approved courses.

RELIGIOUS STUDIES MAJOR CREDIT REQUIREMENT

Complete 36 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

Combined Major in Jewish Studies and Religion

The combined major in Jewish studies and religion offers students an integrated program of study of two naturally complementary fields. Study of Judaism as a religion, which forms an important core of the interdisciplinary field of Jewish studies, is greatly enhanced by broad familiarity with the world's religious traditions; conversely, in-depth knowledge of Jewish history, identity, and culture provides students of religion with valuable insight into the ways in which religion interacts with a wide variety of forces to shape the experiences of the adherents of a

particular faith. The combined major is designed to enable students to understand the history, culture, and religion of the Jewish people; analyze and apply theoretical understanding to the interaction between religious, social, and historical factors that have shaped the experiences of the Jewish people; and demonstrate fluency in understanding the major religious traditions of the world.

Students in the combined major receive an interdisciplinary introduction to the field of Jewish studies, followed by courses in Jewish religion and thought, Jewish history, and Jewish arts and culture; electives allow for exploration of Northeastern's Jewish studies offerings, which focus particularly on modern Jewish life and identity. Religion course work provides a grounding in the Bible, central to understanding Judaism and other Western religions, followed by broader course work in world religion and upper-level thematic courses. Capstone courses bring the two fields closely together by integrating the study of Judaism into the broader study of religion or the study of religion into the study of the broader Jewish experience. Students fulfill their language requirement with Hebrew, and they are encouraged to fulfill their experiential education requirement through study abroad or an internship or co-op in a Jewish organization.

The combined major in Jewish studies and religion is designed to prepare students for graduate work in Jewish studies, religion, or many of the other disciplines that make up Jewish studies or for work within the Jewish community or in communal organizations associated with other religions. It is an ideal foundation for the integrative five-year program through which students can earn a BA from Northeastern and an MA or MJEd from Hebrew College.

BA in Jewish Studies and Religion

See page 307.

BA in Cinema Studies and Philosophy

See page 66.

BA in Environmental Studies and Philosophy

See page 222.

BA in International Affairs and Religious Studies

See page 298.

BS in Physics and Philosophy

See page 236.

Minor in Philosophy

REQUIRED COURSES

Complete the following two courses:

PHIL 2325	Ancient Philosophy	4 SH
PHIL 2330	Modern Philosophy	4 SH

ELECTIVE COURSES

Complete three philosophy courses.

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Ethics

REQUIRED COURSES

Complete four courses from the following list. Two courses must be numbered 2000 or above:

PHIL 1102	Introduction to Contemporary Moral Issues	4 SH
PHIL 1130	Ethics: East and West	4 SH
PHIL 1145	Technology and Human Values	4 SH
PHIL 1165	Moral and Social Problems in Health Care	4 SH
PHIL 1170	Business Ethics	4 SH
PHIL 1180	Environmental Ethics	4 SH
PHIL 2301	Philosophical Problems of Law and Justice	4 SH
PHIL 2302	Philosophical Problems of War and Peace	4 SH
PHIL 2303	Social and Political Philosophy	4 SH
PHIL 2304	Philosophical Problems of Economic Justice	4 SH
PHIL 3435	Moral Philosophy	4 SH
PHIL 3465	Advanced Medical Ethics	4 SH
PHIL 3480	Environmental Philosophy	4 SH
RELS 1272	Ethics in the World's Religions	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Religious Studies

REQUIRED COURSES

Complete four of the following courses:

RELS 1150	Understanding the Bible	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 1280	Islam	4 SH
RELS 2394	Chinese Buddhism	4 SH
RELS 2395	Japanese Buddhism	4 SH
RELS 3390	Cults and Sects	4 SH

ELECTIVE COURSE

Complete one religious studies elective.

GPA REQUIREMENT

2.000 GPA required in the minor

POLITICAL SCIENCE

www.polisci.neu.edu

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Political science majors study the art and science of politics, the structure and functions of government, political behavior, and public policymaking. Students will be exposed to the political and policy dimensions of societies, economic systems, and cultures, today and across time, both in the United States and in other nations.

Political science majors begin with a set of core courses covering American politics, comparative politics, international relations, and research methods. Building upon that base of knowledge, majors choose electives from a broad range of offerings. Electives chosen may follow a general path of interest designed by the student, or they can be structured to fit within more specialized concentrations in law and legal issues, international and comparative politics, or public policy and administration. Most majors participate in the cooperative education program, with placements in local, state, and federal government agencies; law firms; nonprofit institutions; and corporations. Many students complete either a co-op position or an internship with a congressional representative, a senator, a governor, or other elected public servant.

Students may also participate in extracurricular programs designed to expand their leadership ability, such as the Political Science Student Association/Pi Sigma Alpha, Model United Nations, Model Arab League, student government, College Democrats, College Republicans, or other student groups. Many students study in one of the college's international programs, such as the Irish Studies program, which includes an internship in the Irish Parliament. Students also may qualify for the University Honors Program.

The major in political science is designed to help prepare students for law school, graduate school, and careers in government and the nonprofit sector, as well as for teaching, journalism, legislative or lobbying positions, public relations activities, and work in international corporations.

Transferring to the Major

Upperclass students transferring to the major must have a cumulative GPA of at least 2.000.

Acceptance into the major is based on students' meeting the department's criteria for admission and availability of space in the program.

Academic Progression Standards

Same as college standards.

BA in Political Science

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

INTRODUCTION TO COLLEGE

Complete the following course:

POLS 1000 Political Science at Northeastern 1 SH

POLITICAL SCIENCE MAJOR REQUIREMENTS

Political Science Requirements

Complete the following five courses:

POLS 1150	American Government	4 SH
POLS 1155	Comparative Politics	4 SH
POLS 1160	International Relations	4 SH
POLS 2399	Research Methods in Political Science	4 SH
POLS 2400	Quantitative Techniques	4 SH

Political Theory

Complete one course from the following list:

POLS 2326	Premodern Political Thought	4 SH
POLS 2328	Modern Political Thought	4 SH
POLS 2330	American Political Thought	4 SH
POLS 2332	Contemporary Political Thought	4 SH

Political Science Capstone

Complete the following course:

POLS 4701	Political Science Senior Capstone	4 SH
or POLS 4703	Senior Thesis	4 SH

POLITICAL SCIENCE EXPERIENTIAL LEARNING REQUIREMENT

Complete cooperative education or study abroad or one course from the following list. *Note:* Up to two credit-bearing courses count toward political science electives:

AFRS 4645	National Model OAU/African Union	4 SH
POLS 4905	Moot Court	4 SH
POLS 4910	Model United Nations	4 SH
POLS 4915	Model Arab League	4 SH
POLS 4917	Model European Union	4 SH
POLS 4939	Internship in State Government	4 SH
POLS 4940	Group Internship	4 SH
POLS 4942	Internship in Politics	4 SH
POLS 4944	Student Leadership Practicum	4 SH
POLS 4946	Internship in American Government	4 SH
POLS 4948	Community-Based Research Practicum	4 SH

POLITICAL SCIENCE ELECTIVES FOR BA

Complete six political science electives with a minimum of four numbered 2000 or above.

POLITICAL SCIENCE CONCENTRATIONS

If you choose to do one of the following concentrations, you may use four courses from the elective area to fulfill a concentration.

Concentration in Law and Legal Issues

Complete four courses from the following list:

POLS 2330	American Political Thought	4 SH
POLS 3300	The U.S. Congress	4 SH
POLS 3302	Judicial Process and Behavior	4 SH
POLS 3305	The American Presidency	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3324	Law and Society	4 SH
POLS 4500	U.S. Constitutional Law	4 SH
POLS 4505	U.S. Civil Liberties	4 SH
POLS 4510	International Law	4 SH
POLS 4615	Seminar in Public Law	4 SH
POLS 4905	Moot Court	4 SH

Concentration in International and Comparative Politics

Complete four courses from the following list:

AFAM 3441	Third World Political Relations	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
POLS 2370	Religion and Politics	4 SH
POLS 3405	International Political Economy	4 SH
POLS 3407	International Organizations	4 SH
POLS 3408	International Security	4 SH
POLS 3415	Ethnic Conflict in Comparative Politics	4 SH
POLS 3420	National Security, War, and Terrorism	4 SH
POLS 3425	U.S. Foreign Policy	4 SH
POLS 3435	Politics in Western Europe	4 SH
POLS 3440	Politics in Northern Ireland	4 SH
POLS 3445	Politics in Central and Eastern Europe	4 SH
POLS 3450	Government and Politics in Russia	4 SH
POLS 3455	Russian Foreign Policy	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH
POLS 3475	Government and Politics in Latin America	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
POLS 3487	Politics of Developing Nations	4 SH
POLS 4510	International Law	4 SH
POLS 4515	Democracy in Comparative Politics	4 SH
POLS 4530	Revolution, Civil War, and Insurrection	4 SH
POLS 4910	Model United Nations	4 SH
POLS 4915	Model Arab League	4 SH
POLS 4917	Model European Union	4 SH

Concentration in Public Policy and Administration

Complete four courses from the following list:

AFAM 2360	Politics of Poverty	4 SH
POLS 2334	Bureaucracy and Government Organizations	4 SH
POLS 2335	Budgeting and Taxation	4 SH
POLS 2340	Business and Government	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 2350	State and Local Politics	4 SH
POLS 2355	Intergovernmental Relations	4 SH
POLS 2357	Growth and Decline of Cities and Suburbs	4 SH
POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 2390	Science, Technology, and Public Policy	4 SH
POLS 2395	Environmental Politics	4 SH
POLS 3300	The U.S. Congress	4 SH
POLS 3302	Judicial Process and Behavior	4 SH
POLS 3305	The American Presidency	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3310	Parties and Elections	4 SH
POLS 3315	Interest Groups and Public Policy	4 SH
POLS 3320	Politics and Mass Media	4 SH
POLS 3402	Survey Research and Polling	4 SH
POLS 3405	International Political Economy	4 SH
POLS 3425	U.S. Foreign Policy	4 SH
POLS 4948	Community-Based Research Practicum	4 SH
SOCL 2358	Current Issues in Cities and Suburbs	4 SH

POLITICAL SCIENCE MAJOR CREDIT REQUIREMENT

Complete 52 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Political Science**NU CORE REQUIREMENTS**

See page 30 for requirement list.

INTRODUCTION TO COLLEGE

Complete the following course:

POLS 1000	Political Science at Northeastern	1 SH
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POLITICAL SCIENCE MAJOR REQUIREMENTS**Political Science Requirements**

Complete the following five courses:

POLS 1150	American Government	4 SH
POLS 1155	Comparative Politics	4 SH
POLS 1160	International Relations	4 SH
POLS 2399	Research Methods in Political Science	4 SH
POLS 2400	Quantitative Techniques	4 SH

Political Theory

Complete one course from the following list:

POLS 2326	Premodern Political Thought	4 SH
POLS 2328	Modern Political Thought	4 SH
POLS 2330	American Political Thought	4 SH
POLS 2332	Contemporary Political Thought	4 SH

Political Science Capstone

Complete the following course:

POLS 4701	Political Science Senior Capstone	4 SH
or POLS 4703	Senior Thesis	4 SH

POLITICAL SCIENCE EXPERIENTIAL LEARNING REQUIREMENT

Complete cooperative education or study abroad or one course from the following list. *Note:* Up to two credit-bearing courses count toward political science electives:

AFRS 4645	National Model OAU/African Union	4 SH
POLS 4905	Moot Court	4 SH
POLS 4910	Model United Nations	4 SH
POLS 4915	Model Arab League	4 SH
POLS 4917	Model European Union	4 SH
POLS 4939	Internship in State Government	4 SH
POLS 4940	Group Internship	4 SH
POLS 4942	Internship in Politics	4 SH
POLS 4944	Student Leadership Practicum	4 SH
POLS 4946	Internship in American Government	4 SH
POLS 4948	Community-Based Research Practicum	4 SH

POLITICAL SCIENCE ELECTIVES FOR BS

Complete eight political science electives with a minimum of six numbered 2000 or above.

POLITICAL SCIENCE CONCENTRATIONS

If you choose to do one of the following concentrations, you may use four courses from the elective area to fulfill a concentration.

Concentration in Law and Legal Issues

Complete four courses from the following list:

POLS 2330	American Political Thought	4 SH
POLS 3300	The U.S. Congress	4 SH
POLS 3302	Judicial Process and Behavior	4 SH
POLS 3305	The American Presidency	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3324	Law and Society	4 SH
POLS 4500	U.S. Constitutional Law	4 SH
POLS 4505	U.S. Civil Liberties	4 SH
POLS 4510	International Law	4 SH
POLS 4615	Seminar in Public Law	4 SH
POLS 4905	Moot Court	4 SH

Concentration in International and Comparative Politics

Complete four courses from the following list:

AFAM 3441	Third World Political Relations	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
POLS 2370	Religion and Politics	4 SH
POLS 3405	International Political Economy	4 SH
POLS 3407	International Organizations	4 SH
POLS 3408	International Security	4 SH
POLS 3415	Ethnic Conflict in Comparative Politics	4 SH
POLS 3420	National Security, War, and Terrorism	4 SH
POLS 3425	U.S. Foreign Policy	4 SH
POLS 3435	Politics in Western Europe	4 SH
POLS 3440	Politics in Northern Ireland	4 SH
POLS 3445	Politics in Central and Eastern Europe	4 SH
POLS 3450	Government and Politics in Russia	4 SH
POLS 3455	Russian Foreign Policy	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH
POLS 3475	Government and Politics in Latin America	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
POLS 3487	Politics of Developing Nations	4 SH
POLS 4510	International Law	4 SH
POLS 4515	Democracy in Comparative Politics	4 SH
POLS 4530	Revolution, Civil War, and Insurrection	4 SH
POLS 4910	Model United Nations	4 SH
POLS 4915	Model Arab League	4 SH
POLS 4917	Model European Union	4 SH

Concentration in Public Policy and Administration

Complete four courses from the following list:

AFAM 2360	Politics of Poverty	4 SH
POLS 2334	Bureaucracy and Government Organizations	4 SH
POLS 2335	Budgeting and Taxation	4 SH
POLS 2340	Business and Government	4 SH

POLS 2345	Urban Policies and Politics	4 SH
POLS 2350	State and Local Politics	4 SH
POLS 2355	Intergovernmental Relations	4 SH
POLS 2357	Growth and Decline of Cities and Suburbs	4 SH
POLS 2385	U.S. Health and Welfare Policy	4 SH
POLS 2390	Science, Technology, and Public Policy	4 SH
POLS 2395	Environmental Politics	4 SH
POLS 3300	The U.S. Congress	4 SH
POLS 3302	Judicial Process and Behavior	4 SH
POLS 3305	The American Presidency	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3310	Parties and Elections	4 SH
POLS 3315	Interest Groups and Public Policy	4 SH
POLS 3320	Politics and Mass Media	4 SH
POLS 3402	Survey Research and Polling	4 SH
POLS 3405	International Political Economy	4 SH
POLS 3425	U.S. Foreign Policy	4 SH
POLS 4948	Community-Based Research Practicum	4 SH
SOCL 2358	Current Issues in Cities and Suburbs	4 SH

POLITICAL SCIENCE MAJOR CREDIT REQUIREMENT

Complete 60 semester hours in the major.

UPPER-DIVISION ELECTIVESComplete three general electives numbered 3000 or above. *Note:* Courses used as upper-division electives do not count toward the NU Core.**GENERAL ELECTIVES**

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Political Science and Economics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

POLITICAL SCIENCE MAJOR REQUIREMENTS**Political Science Requirements**

Complete the following three courses:

POLS 1150	American Government	4 SH
POLS 1155	Comparative Politics	4 SH
POLS 1160	International Relations	4 SH

Political Theory

Complete one course from the following list:

POLS 2326	Premodern Political Thought	4 SH
POLS 2328	Modern Political Thought	4 SH
POLS 2330	American Political Thought	4 SH
POLS 2332	Contemporary Political Thought	4 SH

Political Science Restricted Electives

Complete two courses from the following list:

POLS 2335	Budgeting and Taxation	4 SH
POLS 2340	Business and Government	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3405	International Political Economy	4 SH
POLS 3487	Politics of Developing Nations	4 SH

Political Science Electives

Complete any two upper-division political science courses in the following range:

POLS 3300 to POLS 5999

ECONOMICS MAJOR REQUIREMENTS FOR BA**Breadth Courses**

Complete the following two courses:

CS 1100	Computer Science and Its Applications	4 SH
MATH 1231	Calculus for Business and Economics	4 SH

Required Economics Courses

Complete the following five courses. Grades in these five courses and in POLS 2400 or ECON 2350 (listed below) must average a minimum of 2.000:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH
ECON 2315	Macroeconomic Theory	4 SH
ECON 2316	Microeconomic Theory	4 SH
ECON 3520	History of Economic Thought	4 SH

Economics Electives

Complete three courses from the following list. At least one course must be at or above the intermediate level:

ECON 1230	Health Care and Medical Economics	4 SH
ECON 1240	Economics of Crime	4 SH
ECON 1270	Economic Status of Ethnic Minorities	4 SH
ECON 1290	History of the Global Economy	4 SH
ECON 3404	International Food Economics and Policy	4 SH
ECON 3415	Poverty and Income	4 SH
ECON 3420	Urban Economic Issues	4 SH
ECON 3423	Environmental Economics	4 SH
ECON 3424	Law and Economics	4 SH
ECON 3440	Public Finance	4 SH
ECON 3461	Government and Business	4 SH
ECON 4634	Comparative Economics	4 SH
ECON 4635	International Economics	4 SH

QUANTITATIVE TECHNIQUES/STATISTICS

Complete either of the statistics and departmental elective combinations listed below:

Combination A

Complete the following course:

POLS 2400	Quantitative Techniques	4 SH
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and an additional economics elective from the following list:

ECON 3404	International Food Economics and Policy	4 SH
ECON 3415	Poverty and Income	4 SH
ECON 3420	Urban Economic Issues	4 SH
ECON 3423	Environmental Economics	4 SH
ECON 3440	Public Finance	4 SH
ECON 3461	Government and Business	4 SH
ECON 4634	Comparative Economics	4 SH
ECON 4635	International Economics	4 SH

Combination B

Complete the following course:

ECON 2350	Statistics	4 SH
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and an upper-division political science course in the following range:

POLS 2000 to POLS 5999

INTEGRATIVE REQUIREMENT**Senior Seminar/Capstone**

Complete one of the following courses:

ECON 4692	Senior Economics Seminar	4 SH
POLS 4701	Political Science Senior Capstone	4 SH
or POLS 4703	Senior Thesis	4 SH

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BS in Political Science and Economics**NU CORE REQUIREMENTS**

See page 30 for requirement list.

POLITICAL SCIENCE MAJOR REQUIREMENTS**Political Science Requirements**

Complete the following three courses:

POLS 1150	American Government	4 SH
POLS 1155	Comparative Politics	4 SH
POLS 1160	International Relations	4 SH

Political Theory

Complete one course from the following list:

POLS 2326	Premodern Political Thought	4 SH
POLS 2328	Modern Political Thought	4 SH
POLS 2330	American Political Thought	4 SH
POLS 2332	Contemporary Political Thought	4 SH

Political Science Restricted Electives

Complete two courses from the following list:

POLS 2335	Budgeting and Taxation	4 SH
POLS 2340	Business and Government	4 SH
POLS 2345	Urban Policies and Politics	4 SH
POLS 3307	Public Policy and Administration	4 SH
POLS 3405	International Political Economy	4 SH
POLS 3487	Politics of Developing Nations	4 SH

Political Science Electives

Complete any two upper-division political science courses in the following range:

POLS 3300 to POLS 5999

ECONOMICS MAJOR REQUIREMENTS FOR BS**Breadth Courses**

Complete the following two courses:

CS 1100	Computer Science and Its Applications	4 SH
MATH 1231	Calculus for Business and Economics	4 SH

Required Economics Courses

Complete the following five courses. Grades in these five courses and in POLS 2400 or ECON 2350 (listed below) must average a minimum of 2.000:

ECON 1115	Principles of Macroeconomics	4 SH
ECON 1116	Principles of Microeconomics	4 SH
ECON 2315	Macroeconomic Theory	4 SH
ECON 2316	Microeconomic Theory	4 SH
ECON 3560	Applied Econometrics	4 SH

Economics Electives

Complete three courses from the following list. At least one course must be at or above the intermediate level:

ECON 1230	Health Care and Medical Economics	4 SH
ECON 1240	Economics of Crime	4 SH
ECON 1270	Economic Status of Ethnic Minorities	4 SH
ECON 1290	History of the Global Economy	4 SH
ECON 3404	International Food Economics and Policy	4 SH
ECON 3415	Poverty and Income	4 SH
ECON 3420	Urban Economic Issues	4 SH
ECON 3423	Environmental Economics	4 SH
ECON 3424	Law and Economics	4 SH
ECON 3440	Public Finance	4 SH
ECON 3461	Government and Business	4 SH
ECON 4634	Comparative Economics	4 SH
ECON 4635	International Economics	4 SH

QUANTITATIVE TECHNIQUES/STATISTICS

Complete either of the statistics and departmental elective combinations listed below:

Combination A

Complete the following course:

POLS 2400	Quantitative Techniques	4 SH
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and an additional economics elective from the following list:

ECON 3404	International Food Economics and Policy	4 SH
ECON 3415	Poverty and Income	4 SH
ECON 3420	Urban Economic Issues	4 SH
ECON 3423	Environmental Economics	4 SH
ECON 3440	Public Finance	4 SH
ECON 3461	Government and Business	4 SH
ECON 4634	Comparative Economics	4 SH
ECON 4635	International Economics	4 SH

Combination B

Complete the following course:

ECON 2350	Statistics	4 SH
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and an upper-division political science course from the following range:

POLS 2000 to POLS 5999

INTEGRATIVE REQUIREMENT**Senior Seminar/Capstone**

Complete one of the following courses:

ECON 4692	Senior Economics Seminar	4 SH
POLS 4701	Political Science Senior Capstone	4 SH
POLS 4703	Senior Thesis	4 SH

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required

Minimum 2.000 GPA required

BA in Political Science and International Affairs**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

POLITICAL SCIENCE MAJOR REQUIREMENTS**Political Science Requirements**

Complete the following four courses:

POLS 1150	American Government	4 SH
POLS 1155	Comparative Politics	4 SH
POLS 1160	International Relations	4 SH
POLS 2400	Quantitative Techniques	4 SH

Political Theory

Complete one course from the following list:

POLS 2326	Premodern Political Thought	4 SH
POLS 2328	Modern Political Thought	4 SH
POLS 2330	American Political Thought	4 SH
POLS 2332	Contemporary Political Thought	4 SH

POLITICAL SCIENCE ELECTIVES FOR BA

Complete four upper-division political science electives.

INTERNATIONAL AFFAIRS MAJOR REQUIREMENTS**Required Courses**

Complete the following four courses:

ECON 1115	Principles of Macroeconomics	4 SH
or ECON 1116	Principles of Microeconomics	4 SH
HIST 2211	World History since 1945	4 SH
INTL 1101	Globalization and International Affairs	4 SH
INTL 3400	International Conflict and Negotiation	4 SH

Regional Analysis

Complete three regional analysis courses, at least two of which must be in one region, from the following lists. Summer-session study abroad are also acceptable in combination with “Dialogue of Civilizations.” See department for additional courses.

AFRICA

AFRS 1128	The African Experience through Music	4 SH
AFRS 1180	African History	4 SH
or HIST 1180	African History	4 SH
AFRS 2307	Africa Today	4 SH
AFRS 2348	Arts and Culture of Africa	4 SH
AFRS 2390	Africa and the World in Early Times	4 SH
or HIST 2390	Africa and the World in Early Times	4 SH
AFRS 2391	Modern African Civilization	4 SH
or HIST 2391	Modern African Civilization	4 SH
AFRS 2392	African Diaspora	4 SH
AFRS 3428	African Languages	4 SH
AFRS 3460	Contemporary Government and Politics in Africa	4 SH
or POLS 3460	Contemporary Government and Politics in Africa	4 SH
AFRS 3465	The Shape and Dynamics of Conflicts in Africa	4 SH
AFRS 3470	Identity and Nationalism in Africa	4 SH
AFRS 4645	National Model OAU/African Union	4 SH
AFRS 4690	Topics in African History	4 SH
or HIST 4690	Topics in African History	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ENTR 3306	Global Entrepreneurship	4 SH
ENTR 3308	Business Economic History of South Africa	4 SH
HIST 2397	Africa in the Twentieth Century	4 SH

LING 3428	African Languages	4 SH
MUSC 1128	Music of Africa	4 SH
POLS 3488	Niger—Study in Boston, Explore in Africa	4 SH
ASIA		
ANTH 4515	Anthropology of South Asia	4 SH
ASNS 1150	East Asian Studies	4 SH
ASNS 3422	Topics in Chinese Studies	4 SH
ASNS 3444	Topics in Japanese Studies	4 SH
ASNS 4910	Issues in Modern and Contemporary Asia	4 SH
CLTR 1260	Japanese Film	4 SH
CLTR 1500	Backgrounds of Chinese Culture	4 SH
CLTR 1506	Introduction to Chinese Popular Culture	4 SH
CLTR 1700	Introduction to Japanese Pop Culture	4 SH
CLTR 2501	Chinese Film: Gender and Ethnicity	4 SH
HIST 1189	Introduction to South Asian History	4 SH
HIST 1250	Emergence of East Asia	4 SH
HIST 1251	Modern East Asia	4 SH
HIST 1253	History of Vietnam Wars	4 SH
HIST 1254	Mao’s China and After	4 SH
HIST 1256	Chinese Civilization in Her Eyes	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH
HIST 2347	The CIA in Asia	4 SH
HIST 2350	Modern China	4 SH
HIST 2351	Global Japan	4 SH
HIST 2352	Dictators and Democracy in Japan and Korea	4 SH
HIST 3452	Global Chinese Migration	4 SH
HIST 4650	Topics in Asian History	4 SH
MUSC 1130	Music of Asia	4 SH
POLS 3480	Government and Politics in Japan	4 SH
POLS 3485	Government and Politics in China	4 SH
RELS 1231	Image and Icon in South Asia	4 SH
RELS 1273	Jainism	4 SH
RELS 1275	Eastern Religions	4 SH
RELS 1276	Indian Religions	4 SH
RELS 1290	Chinese Philosophy and Religion	4 SH
RELS 2394	Chinese Buddhism	4 SH
RELS 2395	Japanese Buddhism	4 SH
RELS 3395	Ramayana	4 SH
RELS 3398	Religion and Culture in Indian Cinema	4 SH
RELS 4545	Religion and Politics in South Asia	4 SH
EUROPE		
ARTH 1111	Art + Design History since 1400	4 SH
CLTR 1265	Spanish Civil War on Film	4 SH
CLTR 1280	French Film and Culture	4 SH
CLTR 1290	Realism and Modernism in Italian Film	4 SH
CLTR 1501	Introduction to French Culture	4 SH
CLTR 1503	Introduction to Italian Culture	4 SH

CLTR 1504	Introduction to Spanish Culture	4 SH	LATIN AMERICA		
CLTR 2280	French Film and World War II: The German Occupation of France	4 SH	AFAM 2301	Foundations of Black Culture 2	4 SH
CLTR 2504	Modern German Film and Literature	4 SH	AFAM 2345	The Black Experience in the Caribbean	4 SH
ECON 1293	European Economic History	4 SH	AFAM 4507	Afro-Cuban Culture—International Study	4 SH
HIST 1170	Introduction to European History	4 SH	AFAM 4710	Field and Lab Methods for Researching Afro-Caribbean Music	4 SH
HIST 1270	Ancient Greece	4 SH	AFAM 4939	Afro-Caribbean Music Research	4 SH
HIST 1271	Ancient Rome	4 SH	ANTH 4500	Latin American Society and Development	4 SH
HIST 1272	The Invention of Europe 500–1500	4 SH	CLTR 1240	Latin American Film	4 SH
HIST 1273	Belief in Magic and Science in Europe	4 SH	CLTR 1505	Introduction to Latin American Culture	4 SH
HIST 1281	Holocaust	4 SH	CLTR 4507	Afro-Cuban Culture—International Study	4 SH
HIST 1294	Strangers in a Strange Land? European Jewish History 1750–1945	4 SH	CLTR 4508	Cuban History through Film—International Study	4 SH
HIST 2314	From Europe to Globalization	4 SH	ENTR 3316	Microfinance and Economic Development in Latin America	4 SH
HIST 2370	Renaissance to Enlightenment	4 SH	ENTR 3318	Business, Economics, and History of Hispaniola and Latin America	4 SH
HIST 2371	Europe 1870–1921	4 SH	ENVR 2942	Maritime History and Culture: The Caribbean	4 SH
HIST 2372	Gender and Society in Modern Europe	4 SH	ENVR 2943	Marine Environmental History: The Caribbean	4 SH
HIST 2375	Culture and Identity in Early Modern England	4 SH	HIST 1187	Introduction to Latin American History	4 SH
HIST 2376	The British Empire	4 SH	HIST 1260	Modern Latin America	4 SH
HIST 2377	Ireland and the Irish Migration	4 SH	HIST 1261	The Modern Caribbean	4 SH
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH	HIST 4660	Topics in Latin American History	4 SH
HIST 3475	The Culture of Europe	4 SH	LACS 1220	Latino, Latin American, and Caribbean Studies	4 SH
HIST 3485	Vienna, Prague, Budapest	4 SH	LITR 1260	Caribbean Literature and Culture	4 SH
HIST 4670	Topics in European History	4 SH	LITR 4655	Latin American Literature	4 SH
HIST 4682	Topics in East European History	4 SH	MUSC 1131	Music of Latin America and the Caribbean	4 SH
HIST 4946	Independent Field Research Abroad: Central Europe	4 SH	POLS 3475	Government and Politics in Latin America	4 SH
INTB 4602	European Union and Globalization	4 SH	MIDDLE EAST		
LITR 1250	Dante’s Inferno and Medieval Italian Culture	4 SH	CINE 3450	Israeli and Palestinian Film	4 SH
LITR 3502	Cervantes and His Times	4 SH	CLTR 1502	Introduction to Arabic Culture	4 SH
LITR 4550	From Knights to Revolution: French Literature 1	4 SH	ECON 1292	Economic History of the Middle East	4 SH
LITR 4551	From Reverie to Reality: French Literature 2	4 SH	HIST 1185	Introduction to Middle Eastern History	4 SH
LITR 4555	French Poetry	4 SH	HIST 1290	Modern Middle East	4 SH
LITR 4560	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH	HIST 1291	The Ottoman Empire (1300–1920)	4 SH
LITR 4561	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH	HIST 1292	Jerusalem: Narratives and Visions	4 SH
LITR 4565	Spanish Golden Age	4 SH	HIST 2393	Islam and Empires	4 SH
LITR 4850	The Splendid Century	4 SH	HIST 2394	Islamic Nationalism	4 SH
LITR 4860	Age of Enlightenment	4 SH	HIST 2395	Middle East in the Twentieth Century	4 SH
LITR 4870	Romantic Heritage	4 SH	HIST 2396	The Middle East and Modernity	4 SH
MUSC 1124	Music of the Romantic Era	4 SH	HIST 4691	Topics in Middle Eastern History	4 SH
POLS 3435	Politics in Western Europe	4 SH			
POLS 3440	Politics in Northern Ireland	4 SH			
POLS 3445	Politics in Central and Eastern Europe	4 SH			
POLS 4917	Model European Union	4 SH			
SOCL 4535	European Union: Social and Political	4 SH			
THTR 2300	Theatre History	4 SH			

HIST 4944	Middle Eastern History and Culture Independent Field Research Abroad	4 SH	AFRS 3424	Black Pandemics/Epidemiology of Disease	4 SH
INTL 1160	Middle East Studies	4 SH	AFRS 4500	Arts of the African Diaspora	4 SH
INTL 3565	Morocco: History, Cultures, and Economic Development in the Mediterranean Basin	4 SH	or ARTH 4500	Arts of the African Diaspora	4 SH
JWSS 2500	Zionism and the Challenges of Jewish Statehood	4 SH	AFRS 4585	Current Issues in the African Diaspora	4 SH
LITR 1150	Muslim Writers and the Qur'an (in English Translations)	4 SH	ANTH 1101	Peoples and Cultures	4 SH
MEST 2100	Modern Israel	4 SH	ANTH 2305	Global Markets and Local Culture	4 SH
MEST 2300	Nationalism, Religion, and Minorities in the Modern Middle East	4 SH	ANTH 2312	The Anthropology of Masculinity	4 SH
MUSC 1129	Music of the Middle East	4 SH	ANTH 2315	Religion and Modernity	4 SH
POLS 3465	Government and Politics in the Middle East	4 SH	ANTH 2330	Environmental Anthropology	4 SH
POLS 3470	Arab-Israeli Conflict	4 SH	ANTH 2365	Sport, Culture, and Society	4 SH
POLS 4915	Model Arab League	4 SH	ANTH 3450	Globalization: Theory and Practice	4 SH
RELS 1280	Islam	4 SH	ARCH 1310	History of World Architecture 1	4 SH
RELS 1285	Jewish Religion and Culture	4 SH	ARCH 1320	History of World Architecture 2	4 SH
WMNS 2500	Women and Social Change in the Middle East	4 SH	CINE 2340	Marxism, Film, and Revolution	4 SH
RUSSIA			COMM 2303	Global and Intercultural Communication	4 SH
HIST 1285	Introduction to Russian Civilization	4 SH	COMM 2325	Global Media	4 SH
HIST 1286	History of the Soviet Union	4 SH	ECON 1290	History of the Global Economy	4 SH
HIST 2313	Gender and Revolution in Russia and China	4 SH	ECON 3404	International Food Economics and Policy	4 SH
HIST 2386	History of Soviet Cinema	4 SH	ECON 4635	International Economics	4 SH
HIST 2387	Soviet Secret Police	4 SH	ENGL 4683	Postcolonial Literature	4 SH
HIST 2388	Borderlands: World War II in Eastern Europe	4 SH	ENTR 2219	Business, Global Poverty, and the Microfinance Revolution	4 SH
HIST 3486	Commissars and Managers: Soviet Economic History	4 SH	HIST 1110	Introduction to World History	4 SH
HIST 4680	Topics in Russian History	4 SH	HIST 1202	Global Inequity	4 SH
HIST 4681	Topics in Soviet History	4 SH	HIST 1204	Third World Women	4 SH
LITR 3503	Russian Literature in Translation	4 SH	HIST 1205	The Global Economy	4 SH
POLS 3450	Government and Politics in Russia	4 SH	HIST 1216	Mediterranean World since 1500	4 SH
POLS 3455	Russian Foreign Policy	4 SH	HIST 2211	World History since 1945	4 SH
SOCL 1215	Society and Culture in Russia	4 SH	HIST 2310	Spread of Buddhism	4 SH
Global Dynamics			HIST 2311	Colonialism/Imperialism	4 SH
Complete two global dynamics courses, one of which must be numbered 2000 or above, from the following list. <i>Note:</i> Courses used to fulfill major requirements may not be used to satisfy the global dynamics requirement.			HIST 2312	Global Migration and the Modern World	4 SH
AFAM 1109	Foundations of Black Culture 1	4 SH	HIST 2315	Approaches to World History	4 SH
AFAM 3441	Third World Political Relations	4 SH	HIST 2320	Wealth and Poverty	4 SH
AFAM 4639	Globalism, Racism, and Human Rights	4 SH	HIST 2392	African Diaspora	4 SH
AFRS 1185	Gender in the African Diaspora	4 SH	HIST 2398	Radicals, Terrorists, and Insurgents	4 SH
AFRS 3310	Applied Research in the African Diaspora	4 SH	HIST 3411	Environment in the Age of Discovery	4 SH
AFRS 3410	Religion and Spirituality in the African Diaspora	4 SH	HIST 3412	Global Environmental History	4 SH
			HIST 3445	Global Economic History	4 SH
			HIST 3452	Global Chinese Migration	4 SH
			HIST 4610	Topics in World History	4 SH
			HUSV 4920	International Human Services	4 SH
			INTB 1201	Global Environment of International Business	4 SH
			INTB 1203	International Business and Global Social Responsibility	4 SH
			INTB 1209	International Business and Global Social Responsibility	4 SH
			INTB 3310	Cultural Aspects of International Business	4 SH
			INTL 3400	International Conflict and Negotiation	4 SH

INTL 3460	Transnational Activism in Global Civil Society	4 SH
INTL 4940	Global Corps Practicum	4 SH
INTL 4945	Dialogue of Civilizations: Global Issues in Comparative Perspective	4 SH
LING 3412	Language and Culture	4 SH
LITR 3500	International Perspectives	4 SH
LPSC 2302	Global Human Rights: A Social and Economic Perspective	4 SH
MUSC 1127	Introduction to World Music	4 SH
MUSC 3470	War and Music	4 SH
PHIL 1130	Ethics: East and West	4 SH
PHIL 2327	Medieval Western Philosophy	4 SH
PHIL 5001	Global Justice	4 SH
POLS 2370	Religion and Politics	4 SH
POLS 3405	International Political Economy	4 SH
POLS 3407	International Organizations	4 SH
POLS 3408	International Security	4 SH
POLS 3415	Ethnic Conflict in Comparative Politics	4 SH
POLS 3420	National Security, War, and Terrorism	4 SH
POLS 3441	Third World Political Relations	4 SH
POLS 3487	Politics of Developing Nations	4 SH
POLS 4510	International Law	4 SH
POLS 4515	Democracy in Comparative Politics	4 SH
POLS 4530	Revolution, Civil War, and Insurrection	4 SH
POLS 4580	Special Topics: Comparative Politics and International Relations	4 SH
POLS 4605	Seminar in Comparative Politics	4 SH
POLS 4610	Seminar in International Relations	4 SH
POLS 4910	Model United Nations	4 SH
POLS 4938	International Politics—Learning Abroad	4 SH
RELS 1270	Judaism, Christianity, and Islam: Western Religions	4 SH
RELS 1272	Ethics in the World's Religions	4 SH
RELS 2313	Modern Jewish Diaspora	4 SH
SOCL 1246	Environment and Society	4 SH
SOCL 1268	Social Movements	4 SH
SOCL 2288	The Sociology of Globalization	4 SH
SOCL 3471	Social Conflict and Community Services Abroad	4 SH
SOCL 3480	Comparative Political Economy	4 SH
SOCL 4522	Political Ecology and Environmental Justice	4 SH

INTERNATIONAL AFFAIRS FOREIGN LANGUAGE REQUIREMENT

Complete course work in a language through at least intermediate-level two (course number 2102 or 2302). *Note:* Completing this requirement satisfies the language requirement for the BA degree.

INTEGRATIVE REQUIREMENTS

Capstone

Complete one of the following courses:

INTL 4700	Senior Capstone Seminar in International Affairs	4 SH
POLS 4701	Political Science Senior Capstone	4 SH
POLS 4703	Senior Thesis	4 SH

International Experiential Learning

Complete at least one “international semester” (one full semester or two summer half semesters) via study abroad, international internship, or international co-op.

POLITICAL SCIENCE AND INTERNATIONAL AFFAIRS COMBINED-MAJOR CREDIT REQUIREMENT

Complete 84 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in Environmental Studies and Political Science

See page 223.

BA/MA in Political Science

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

BA/MPA in Political Science

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

BS/MA in Political Science

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

BS/MPA in Political Science

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

Minor in Political Science

REQUIRED COURSES

Complete two of the following courses:

POLS 1150	American Government	4 SH
POLS 1155	Comparative Politics	4 SH
POLS 1160	International Relations	4 SH

ELECTIVE COURSES

Complete three political science courses.

GPA REQUIREMENT

2.000 GPA required in the minor

SOCIOLOGY AND ANTHROPOLOGY

www.socant.neu.edu

STEVEN P. VALLAS, PHD
Professor and Chair

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Fax: 617.373.2688

E-mail contact: Mary Ramsey, *Administrative Secretary*,
m.ramsey@neu.edu

Sociology and cultural anthropology provide the critical perspective needed for studying the social cultural arrangements in which people live, for understanding how societies function, for studying the conditions under which people change society, and for describing the modes and conditions of cooperation that make social life possible.

Courses in the program examine such areas as gender, race, class, globalization, cities, conflict, law and crime, multiculturalism and intercultural relations, technology and the environment, education, media, and the comparative interdisciplinary analyses of societies. Many courses are directly relevant to majors in other fields, including economics, political science, philosophy, literature, criminal justice, and business.

The major in sociology or cultural anthropology seeks to prepare students for careers in public or private service, including such fields as law, teaching, social work, administration or management, and research.

Transferring to the Major

Students transferring during the freshman year must meet college standards.

Students transferring after the freshman year must:

1. Have completed three courses in anthropology or sociology with a grade of C or better.
2. Have a cumulative GPA of at least 2.000.
3. Meet the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

Same as college standards.

BA in Sociology

NU CORE REQUIREMENTS

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

SOCIOLOGY MAJOR REQUIREMENTS

Courses in the major require a grade of C– or higher.

Required Sociology

Complete the following four courses. SOCL 2300, SOCL 2320, and SOCL 2321 require a grade of C or higher:

SOCL 1101	Introduction to Sociology	4 SH
SOCL 2300	Social Theory	4 SH
SOCL 2320	Statistical Analysis in Sociology	4 SH
SOCL 2321	Research Methods in Sociology	4 SH

Cultural Anthropology

Complete the following course:

ANTH 1101	Peoples and Cultures	4 SH
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Senior Seminar

Complete the following senior seminar:

SOCL 4600	Senior Seminar	4 SH
-----------	----------------	------

REQUIRED SOCIOLOGY ELECTIVES

Introductory-Level Electives

Complete three courses in the following range:

SOCL 1200 to SOCL 1999

Intermediate-Level Electives

Complete three courses in the following range:

SOCL 2000 to SOCL 3999

Advanced-Level Elective

Complete one course in the following range:

SOCL 4000 to SOCL 4999

Social Science Electives

Complete four social science courses from the following subject areas. Social science electives may not include music or art:

AFAM, AFRS, ANTH, ECON, HIST, HUSV, INTL, LING, LPSC, POLS, or PSYC.

SOCIOLOGY EXPERIENTIAL LEARNING REQUIREMENT

Complete one of the following courses or a study abroad:

SOCL 3470	Social Conflict and Community Service	4 SH
SOCL 3487	Applied Sociology: Practice and Theory	4 SH
SOCL 4970	Junior/Senior Honors Project 1	4 SH
SOCL 4971	Junior/Senior Honors Project 2	4 SH
SOCL 4996	Experiential Education Directed Study	4 SH

SOCIOLOGY MAJOR CREDIT REQUIREMENT

Complete 68 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BS in Sociology**NU CORE REQUIREMENTS**

See page 30 for requirement list.

SOCIOLOGY MAJOR REQUIREMENTS

Courses in the major require a grade of C– or higher.

Required Sociology

Complete the following four courses. SOCL 2300, SOCL 2320, and SOCL 2321 require a grade of C or higher:

SOCL 1101	Introduction to Sociology	4 SH
SOCL 2300	Social Theory	4 SH
SOCL 2320	Statistical Analysis in Sociology	4 SH
SOCL 2321	Research Methods in Sociology	4 SH

Cultural Anthropology

Complete the following course:

ANTH 1101	Peoples and Cultures	4 SH
-----------	----------------------	------

Senior Seminar

Complete the following senior seminar:

SOCL 4600	Senior Seminar	4 SH
-----------	----------------	------

REQUIRED SOCIOLOGY ELECTIVES**Introductory-Level Electives**

Complete three courses in the following range:
SOCL 1200 to SOCL 1999

Intermediate-Level Electives

Complete five courses in the following range:
SOCL 2000 to SOCL 3999

Advanced-Level Electives

Complete two courses in the following range:
SOCL 4000 to SOCL 4999

Social Science Electives

Complete six social science courses from the following subject areas. Social science electives may not include music or art: AFAM, AFRS, ANTH, ECON, HIST, HUSV, INTL, LING, LPSC, POLS, or PSYC.

SOCIOLOGY EXPERIENTIAL LEARNING REQUIREMENT

Complete one of the following courses or a study abroad:

SOCL 3470	Social Conflict and Community Service	4 SH
SOCL 3487	Applied Sociology: Practice and Theory	4 SH
SOCL 4970	Junior/Senior Honors Project 1	4 SH
SOCL 4971	Junior/Senior Honors Project 2	4 SH
SOCL 4996	Experiential Education Directed Study	4 SH

SOCIOLOGY MAJOR CREDIT REQUIREMENT

Complete 88 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in Cultural Anthropology**NU CORE REQUIREMENTS**

See page 30 for requirement list.

REQUIREMENTS FOR BA

See page 31 for requirement list.

CULTURAL ANTHROPOLOGY MAJOR REQUIREMENTS**Cultural Anthropology**

Complete the following five courses with a grade of C– or higher:

ANTH 1101	Peoples and Cultures	4 SH
ANTH 2300	Reading Culture through Ethnography	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH
ANTH 4600	Senior Seminar in Cultural Anthropology	4 SH
SOCL 1101	Introduction to Sociology	4 SH

Advanced Anthropology Courses

Complete two of the following courses with a grade of C– or higher. Additional courses taken in this section may be used as electives:

ANTH 4500	Latin American Society and Development	4 SH
ANTH 4505	Native North Americans	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ANTH 4515	Anthropology of South Asia	4 SH

Anthropology Electives

Complete six courses from the following list. Two courses in study abroad may count toward this requirement:

ANTH 2302	Gender and Sexuality: A Cross-Cultural Perspective	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH
ANTH 2315	Religion and Modernity	4 SH
ANTH 2330	Environmental Anthropology	4 SH
ANTH 2350	Urban Anthropology	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH
ANTH 3415	Anthropology of Travel and Tourism	4 SH
ANTH 3450	Globalization: Theory and Practice	4 SH
ANTH 4580	Special Topics in Anthropology	4 SH
LING 3412	Language and Culture	4 SH

Social Science Electives

Complete three social science courses from the following subject areas. Social science electives may not include music or art: AFAM, AFRS, ECON, HIST, HUSV, INTL, LING, LPSC, POLS, PSYC, or SOCL.

CULTURAL ANTHROPOLOGY EXPERIENTIAL LEARNING REQUIREMENT

Complete one of the following courses or a study abroad:

ANTH 4970	Junior/Senior Honors Project 1	4 SH
ANTH 4971	Junior/Senior Honors Project 2	4 SH
ANTH 4996	Experiential Education Directed Study	4 SH

CULTURAL ANTHROPOLOGY MAJOR CREDIT REQUIREMENT

Complete 68 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BS in Cultural Anthropology**NU CORE REQUIREMENTS**

See page 30 for requirement list.

CULTURAL ANTHROPOLOGY MAJOR REQUIREMENTS**Cultural Anthropology**

Complete the following five courses with a grade of C– or higher:

ANTH 1101	Peoples and Cultures	4 SH
ANTH 2300	Reading Culture through Ethnography	4 SH
ANTH 2305	Global Markets and Local Culture	4 SH
ANTH 4600	Senior Seminar in Cultural Anthropology	4 SH
SOCL 1101	Introduction to Sociology	4 SH

Advanced Anthropology Courses

Complete two of the following courses with a grade of C– or higher. Additional courses taken in this section may be used as electives:

ANTH 4500	Latin American Society and Development	4 SH
ANTH 4505	Native North Americans	4 SH
ANTH 4510	Anthropology of Africa	4 SH
ANTH 4515	Anthropology of South Asia	4 SH

Anthropology Electives

Complete six courses from the following list. Two courses in study abroad may count toward this requirement:

ANTH 2302	Gender and Sexuality: A Cross-Cultural Perspective	4 SH
ANTH 2312	The Anthropology of Masculinity	4 SH
ANTH 2315	Religion and Modernity	4 SH
ANTH 2350	Urban Anthropology	4 SH
ANTH 2365	Sport, Culture, and Society	4 SH
ANTH 3415	Anthropology of Travel and Tourism	4 SH
ANTH 3450	Globalization: Theory and Practice	4 SH
ANTH 4580	Special Topics in Anthropology	4 SH
LING 3412	Language and Culture	4 SH

Social Science Electives

Complete six social science courses from the following subject areas. Social science electives may not include music or art: AFAM, AFRS, ECON, HIST, HUSV, INTL, LING, LPSC, POLS, PSYC, or SOCL.

Additional Anthropology Electives

Complete two additional ANTH courses.

CULTURAL ANTHROPOLOGY EXPERIENTIAL LEARNING REQUIREMENT

Complete one of the following courses or a study abroad:

ANTH 4970	Junior/Senior Honors Project 1	4 SH
ANTH 4971	Junior/Senior Honors Project 2	4 SH
ANTH 4996	Experiential Education Directed Study	4 SH

CULTURAL ANTHROPOLOGY MAJOR CREDIT REQUIREMENT

Complete 88 semester hours in the major.

GENERAL ELECTIVES

Additional courses taken beyond college and major course requirements to satisfy graduation credit requirements.

COOPERATIVE EDUCATION

If elected

UNIVERSITY-WIDE REQUIREMENTS

128 total semester hours required
Minimum 2.000 GPA required

BA in International Affairs and Anthropology

See page 290.

BA/MA in Sociology

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

BS/MA in Sociology

Undergraduate students apply to the PlusOne bachelor's/master's program through the graduate school. Once admitted, students may count a maximum of 16 semester hours of graduate credit toward the undergraduate degree. Consult the department for information on this program.

Minor in Sociology

INTRODUCTION TO SOCIOLOGY

Complete the following course:

SOCL 1101	Introduction to Sociology	4 SH
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RESEARCH METHODS

Complete one of the following courses. An intermediate- or advanced-level elective may be substituted for SOCL 2321 if taken for the major:

SOCL 2300	Social Theory	4 SH
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SOCL 2321	Research Methods in Sociology	4 SH
-----------	-------------------------------	------

INTRODUCTORY-LEVEL REQUIRED ELECTIVES

Complete two courses in the following range:

SOCL 1200 to SOCL 1299

INTERMEDIATE-/ADVANCED-LEVEL REQUIRED ELECTIVE

Complete one course in the following range:

SOCL 3400 to SOCL 4599

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Cultural Anthropology

REQUIRED COURSES

Complete the following two courses:

ANTH 1101	Peoples and Cultures	4 SH
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ANTH 2300	Reading Culture through Ethnography	4 SH
-----------	-------------------------------------	------

INTERMEDIATE-LEVEL REQUIRED ELECTIVES

Complete two courses in the following range:

ANTH 2300 to ANTH 3999

ADVANCED-LEVEL REQUIRED ELECTIVE

Complete one course in the following range:

ANTH 4500 to ANTH 4599

GPA REQUIREMENT

2.000 GPA required in the minor

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Assistant Academic Specialist, Education; Harvard University, EdD, 2008

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Ramaiya Balachandra

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Sandra Baldinger

Assistant Clinical Professor, Pharmacy Practice; University of California, San Francisco, PharmD, 1994

Mary B. Ballou

Professor, Counseling and Applied Educational Psychology; Kent State University, PhD, 1976

Charles Bame-Aldred
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Elitsa Banalieva
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Kent State University,
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University, PhD, 1994

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Associate Professor, Physics;
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Cruz, PhD, 1996

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Assistant Professor, African-
American Studies; Michigan
State University, PhD, 2007

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Professor, Marketing; Syracuse
University, PhD, 1987

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Nebraska, Lincoln, PhD, 2004

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Practice; Harvard University,
ScD, 1987

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Science; State University of
New York, Buffalo, PhD, 1995

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Management and
Organizational Development;
Tulane University, PhD, 2008

Maureen Basmajian
Associate Cooperative
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College, MBA, 1998

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Assistant Cooperative
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Northeastern University,
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Assistant Professor,
Mathematics; Princeton
University, PhD, 2005

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Associate Professor, Nursing;
Boston University, DNSc, 1989

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Associate Academic Specialist,
Biology; Boston University,
PhD, 1995

Kerri Beiswenger
Assistant Cooperative
Education Coordinator,
College of Engineering;
Northeastern University,
BS, 2005

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California Institute of
Technology, PhD, 1972

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Online Resources

The following online resources supplement this catalog:

Course descriptions:

www.northeastern.edu/registrar/banner-catalog.html

Class schedules:

www.northeastern.edu/registrar/banner-schedule.html

Academic calendars:

www.northeastern.edu/registrar/calendars.html

Campus maps:

www.northeastern.edu/campusmap

The *Northeastern University Undergraduate Catalog (Full-Time Day Programs)* 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*, *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.

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The *Northeastern University Undergraduate 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/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 stations WBUR (90.9) and WFNX (101.7) 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 AM. 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 PM.

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:

Donnie Perkins
Office of Institutional Diversity and Equity
125 Richards Hall
Northeastern University
Boston, Massachusetts 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, J.W. McCormack Building, Post Office Court House, Room 222, Boston, Massachusetts 02109-4557.

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 and Graduate Student Handbook* and are distributed annually at registration for the University's colleges and graduate schools.

Persistence Rates under the Student Right-to-Know Act. In the fall of 2009, the persistence rate for students who entered in the fall 2008 cohort was 91.4 percent.

Mission Statement:

To educate students for a life of fulfillment and accomplishment.
To create and translate knowledge to meet global and societal needs.