

CINEMA STUDIES

www.cinemastudies.neu.edu

INEZ HEDGES, PhD, *Stotsky Professor of Jewish Historical and Cultural Studies and Professor, Modern Languages and Cinema Studies*

KATHY HOWLETT, PhD, *Associate Professor, English and Cinema Studies*
Codirectors of the Cinema Studies Program

MATTHEWS DISTINGUISHED UNIVERSITY PROFESSOR

Harlow L. Robinson, PhD, *History and Modern Languages*

PROFESSORS

Kathleen Kelly, PhD, *English and Education*
 Michael Ryan, PhD, *English*

ASSOCIATE PROFESSORS

James Ross, MA, *Journalism*
 Alan West-Duran, PhD, *Modern Languages*

ASSISTANT PROFESSORS

Gerald H. Herman, MA, *History and Education*
 Kumarini Silva, PhD, *Communication Studies*

ASSISTANT ACADEMIC SPECIALISTS

Emily Fox Kales, PhD, *Interdisciplinary Studies and Psychology*
 Louise McBryde, MA, *Interdisciplinary Studies*

LECTURER

Michele Cao-Danh, PhD, *Modern Languages*

The cinema studies curriculum is formulated upon a systematic historical, critical, and practice-oriented approach to the study of cinema. Students in the dual 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 allow students to make practical applications of their analytical skills.

Students may enroll in the dual major in cinema studies in combination with the following other dual majors: communication studies, English, journalism, modern languages, philosophy, and theatre.

Cooperative education placements (arranged through the student's other dual-major program) and internships demonstrate to students how the fundamental aspects of the cinema studies dual 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 dual majors in assessing their short- and long-term goals in terms of undergraduate educational focus, graduate school preparation, and career aspirations. It helps 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 dual 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 learn to approach the film and video medium from a range of aesthetic, historical, international, and sociological perspectives. 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. See pages 284–287 for course descriptions.

Transferring to the Major

Students apply in the spring of their freshman year by making an appointment with one of the codirectors.

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:

CIN U150	Film Analysis	4 SH
CIN U350	Film Theory	4 SH

BA in Cinema Studies and Communication Studies

NU CORE REQUIREMENTS

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See page 80 for requirement list.

COMMUNICATION STUDIES REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

Introductory Communications

Complete the following two courses:

CMN U101	Introduction to Communication Studies	4 SH
CMN U220	Media, Culture, Society	4 SH

Production

Complete the following three courses:

CMN U420	Audio Production	4 SH
CMN U520	Television Studio Production	4 SH
CMN U620	Television Field Production	4 SH

Senior Seminar

Complete the following course:

CMN U901	Senior Seminar in Communications	4 SH
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Communications Elective

Complete four courses from the following list:

CMN U301	Methods and Research in Communication	4 SH
CMN U302	Advertising and Promotional Culture	4 SH
CMN U303	Global and Intercultural Communication	4 SH
CMN U304	Communication and Gender	4 SH
CMN U320	Theories of Media and Culture	4 SH
CMN U321	Television: Text and Context	4 SH

CMN U322	Popular Music as Media Form	4 SH
CMN U401	Advertising Principles and Practices	4 SH
CMN U421	Sports Broadcasting	4 SH
CMN U422	Media Audiences	4 SH
CMN U423	Foundations of Electronic Media	4 SH
CMN U424	Broadcasting Management and Programming	4 SH
CMN U510	Persuasion in Contemporary Culture	4 SH
CMN U610	Political Communication	4 SH
CMN U621	Digital Editing for TV	4 SH
CMN U622	New Media Culture	4 SH
CMN U910	Special Topics in Public Communication	4 SH
CMN U912	Special Topics in Media Studies	4 SH
CMN U914	Special Topics: Organizational Communication	4 SH

CINEMA STUDIES AND COMMUNICATION STUDIES 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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

BA in Cinema Studies and English

NU CORE REQUIREMENTS

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See page 80 for requirement list.

ENGLISH REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

Literature Background

Complete the following course:

ENG U226	Backgrounds to English and American Literature	4 SH
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Literature Survey

Complete any three of the following courses:

ENG U220	Survey of English Literature 1	4 SH
ENG U221	Survey of English Literature 2	4 SH
ENG U223	Survey of American Literature 1	4 SH
ENG U224	Survey of American Literature 2	4 SH

Shakespeare Course

Complete one of the following courses:

ENG U489	Shakespeare on Film	4 SH
ENG U611	Shakespeare	4 SH
ENG U612	Shakespeare's Comedies	4 SH
ENG U613	Shakespeare's Tragedies	4 SH
ENG U614	Topics in Shakespeare	4 SH

Period Courses

Complete two period courses from a minimum of two century groups:

ELEVENTH TO FIFTEENTH CENTURY

ENG U605	Medieval English Literature	4 SH
ENG U606	Topics in Medieval Literature	4 SH

SIXTEENTH CENTURY

ENG U610	Sixteenth-Century English Literature	4 SH
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SEVENTEENTH CENTURY

ENG U617	Seventeenth-Century English Literature	4 SH
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EIGHTEENTH CENTURY

ENG U619	Eighteenth-Century English Literature	4 SH
ENG U620	Topics in Eighteenth-Century English Literature	4 SH

ENG U661	Early American Literature	4 SH
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NINETEENTH CENTURY

ENG U519	American Novels 1	4 SH
ENG U621	Romantic Poetry	4 SH
ENG U624	Victorian Literature	4 SH
ENG U625	Topics in Victorian Literature	4 SH
ENG U626	Nineteenth-Century British Fiction	4 SH
ENG U663	Early African-American Literature	4 SH
ENG U665	The American Renaissance	4 SH
ENG U667	American Realism	4 SH

TWENTIETH CENTURY

ENG U394	Modern Film	4 SH
ENG U408	The Modern Bestseller	4 SH
ENG U409	The Modern Novel	4 SH
ENG U410	Modern Drama	4 SH
ENG U411	The Modern Short Story	4 SH
ENG U412	Contemporary Fiction	4 SH
ENG U520	American Novels 2	4 SH
ENG U630	Major Twentieth-Century British Novelists	4 SH
ENG U631	Twentieth-Century English Literature	4 SH
ENG U668	Modern American Literature	4 SH
ENG U670	Modern African-American Literature	4 SH
ENG U671	Multiethnic Literature of the U.S.	4 SH
ENG U672	Asian-American Literature	4 SH
ENG U673	U.S. Latino/Latina Literature	4 SH
ENG U674	American Indian Literature	4 SH
ENG U676	Contemporary American Literature	4 SH
ENG U687	Modern Poetry	4 SH
ENG U688	Contemporary Poetry	4 SH

Literary Criticism, Linguistics, or Rhetoric

Complete one course from the following list:

CRITICISM

ENG U337	Literary Theory	4 SH
ENG U339	Topics in Literary Criticism	4 SH

LINGUISTICS

ENG U150	Introduction to Language and Linguistics	4 SH
ENG U350	Linguistic Analysis	4 SH
ENG U450	Syntax	4 SH
ENG U452	Semantics	4 SH
ENG U454	History of English	4 SH
ENG U456	Language and Gender	4 SH
ENG U458	Topics in Linguistics	4 SH

RHETORIC

ENG U322	Topics in Rhetoric	4 SH
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Junior/Senior Seminar

Complete the following course:

ENG U710	Junior/Senior Seminar	4 SH
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English Elective

Complete one English course except ENG U165, ENG U166, or ENG U167.

CINEMA STUDIES AND ENGLISH 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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

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

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See page 80 for requirement list.

JOURNALISM REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR**Journalism Foundations**

Complete the following three courses:

JRN U101	Journalism 1	4 SH
JRN U150	Interpreting the Day's News	4 SH
JRN U201	Journalism 2	4 SH

Journalism Advanced Writing

Complete the following course:

JRN U301	Journalism 3	4 SH
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Television News

Complete the following two courses:

JRN U511	Television News Writing	4 SH
JRN U512	Television News Production 1	4 SH

Documentary Production

Complete the following course:

JRN U609 Documentary Production 4 SH

Ethics and Issues

Complete the following course:

JRN U650 Journalism Ethics and Issues 4 SH

Journalism Elective

Complete one course from the School of Journalism.

CINEMA STUDIES AND JOURNALISM 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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

BA in Cinema Studies and Modern Languages

For degree requirements, please visit the myNEU Web Portal (myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

BA in Cinema Studies and Philosophy

NU CORE REQUIREMENTS

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See page 80 for requirement list.

PHILOSOPHY REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

Required Courses

Complete the following three courses:

PHL U115 Introduction to Logic 4 SH

or PHL U215 Symbolic Logic 4 SH

PHL U325 Ancient Philosophy 4 SH

PHL U330 Modern Philosophy 4 SH

Intermediate/Advanced Electives

Complete one course from the following:

PHL U435 Moral Philosophy 4 SH

PHL U500 Theory of Knowledge 4 SH

PHL U505 Metaphysics 4 SH

PHL U535 Philosophy of Mind 4 SH

Philosophy Topics Electives

Complete one course from the following:

PHL U901 Topics in Philosophy Seminar 4 SH

PHL U902 Great Philosophers Seminar 4 SH

PHL U903 Seminar in Religion 4 SH

Philosophy Electives

Complete four courses from the PHL department.

CINEMA STUDIES AND PHILOSOPHY 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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

BA in Cinema Studies and Theatre

NU CORE REQUIREMENTS

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See page 80 for requirement list.

THEATRE REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

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

Theatre Introduction

Complete the following three courses:

THE U101 Art of the Theatre 4 SH

THE U120 Acting 1 4 SH

THE U131 Technical Theatre 1 4 SH

History and Theory

Complete the following two courses:

THE U300 Theatre History 4 SH

THE U500 Dramatic Theory/Criticism 4 SH

Onstage

Complete the following three courses:

THE U325 Script Analysis for the Stage 4 SH

THE U342 Acting 2 4 SH

THE U550 Concepts of Directing 4 SH

Backstage

Complete the following course:

THE U270 Theatrical Design 4 SH

Practicum/Experiential Education

Complete the three theatre practicums and the theatre capstone.

PRACTICUM

THE U901	Theatre Practicum 1	1 SH
THE U902	Theatre Practicum 2	1 SH
THE U903	Theatre Practicum 3	1 SH

CAPSTONE

THE U701	Rehearsal and Performance	4 SH
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CINEMA STUDIES AND THEATRE 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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

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

See page 24 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See page 80 for requirement list.

THEATRE REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

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

Theatre Introduction

Complete the following three courses:

THE U101	Art of the Theatre	4 SH
THE U120	Acting 1	4 SH
THE U131	Technical Theatre 1	4 SH

History and Theory

Complete the following two courses:

THE U300	Theatre History	4 SH
THE U500	Dramatic Theory/Criticism	4 SH

Onstage

Complete the following three courses:

THE U325	Script Analysis for the Stage	4 SH
THE U342	Acting 2	4 SH
THE U550	Concepts of Directing	4 SH

Backstage

Complete the following course:

THE U270	Theatrical Design	4 SH
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Practicum/Experiential Education

Complete the three theatre practicums and the theatre capstone.

PRACTICUM

THE U901	Theatre Practicum 1	1 SH
THE U902	Theatre Practicum 2	1 SH
THE U903	Theatre Practicum 3	1 SH

CAPSTONE

THE U701	Rehearsal and Performance	4 SH
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CINEMA STUDIES AND THEATRE 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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

Cinema Requirements for Cinema Studies Dual Major**REQUIRED COURSES**

Complete the following two courses:

CIN U150	Film Analysis	4 SH
CIN U350	Film Theory	4 SH

INTERNATIONAL CINEMA

Complete three courses from the following list:

CIN U240	Latin American Film	4 SH
CIN U250	Australian Film	4 SH
CIN U255	Chinese Film: Gender and Ethnicity	4 SH
CIN U260	Japanese Film	4 SH
CIN U265	Spanish Civil War on Film	4 SH
CIN U270	Modern German Film and Literature	4 SH
CIN U280	French Film and Culture	4 SH
CIN U386	History of Soviet Cinema	4 SH
CIN U393	Topics in International Cinema	4 SH
CIN U460	Jewish Film	4 SH

INTEGRATIVE FILM AND LITERATURE

Complete one course from the following list:

CIN U391	Topics in Film	4 SH
CIN U488	Film and Text	4 SH
CIN U489	Shakespeare on Film	4 SH

JUNIOR/SENIOR SEMINAR

Complete one of the following courses:

CIN U500	Modernism/Modernity and Film	4 SH
CIN U550	Cinema Studies Seminar	4 SH

EXPERIENTIAL EDUCATION 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):

CIN U446	Topics in Documentary Production	4 SH
CIN U500	Modernism/Modernity and Film	4 SH
CIN U550	Cinema Studies Seminar	4 SH
CIN U650	Page to Screen	4 SH
CIN U941	Cinema Studies Internship	1 SH
CIN U942	Cinema Studies Internship	2 SH
CIN U943	Cinema Studies Internship	3 SH
CIN U944	Cinema Studies Internship	4 SH
CIN U945	Cinema Studies Practicum	1 SH
CIN U946	Cinema Studies Practicum	1 SH
CIN U947	Cinema Studies Practicum	2 SH
CIN U948	Cinema Studies Practicum	2 SH
CIN U949	Cinema Studies Practicum	3 SH
CIN U951	Film Festivals: Exhibition and Distribution	4 SH

CINEMA STUDIES ELECTIVES

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

ART U175	Animation Basics	4 SH
ART U180	Video Basics	4 SH
ART U381	Video Project	4 SH
CIN U520	Television Studio Production	4 SH
or CMN U520	Television Studio Production	4 SH
CIN U620	Television Field Production	4 SH
or CMN U620	Television Field Production	4 SH

Minor in Cinema Studies**REQUIRED COURSES**

Complete the following two courses:

CIN U120	Exploring the Humanities through Film	4 SH
or CIN U150	Film Analysis	4 SH
CIN U350	Film Theory	4 SH

ELECTIVE COURSES

Complete three additional cinema courses or related courses from the following list:

ART U175	Animation Basics	4 SH
ART U180	Video Basics	4 SH
ART U381	Video Project	4 SH
CIN U520	Television Studio Production	4 SH
or CMN U520	Television Studio Production	4 SH
CIN U620	Television Field Production	4 SH
or CMN U620	Television Field Production	4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

For more information on the cinema studies dual major and minor, contact the codirectors of cinema studies, Professor Inez Hedges (225 Holmes) and Professor Kathy Howlett (427 Holmes) at 617.373.3654 and 617.373.4554, respectively.

COMMUNICATION STUDIES

www.commstudies.neu.edu

P. DAVID MARSHALL, PHD

Professor and Chair

PROFESSOR

Richard A. Katula, PhD

ASSOCIATE PROFESSORS

Marcus J. Breen, PhD

Joanne Morreale, PhD

Michael L. Woodnick, MS

Alan J. Zaremba, PhD

ASSISTANT PROFESSORS

Walter J. Carl, PhD

Elise J. Dallimore, PhD

Murray Forman, PhD

Carey Noland, PhD

Craig M. Robertson, PhD

Vincent F. Rocchio, PhD

Kumarini Silva, PhD

LECTURERS

Thomas Downard, MA

Julie E. Hall, MA

William Lancaster, MA

Susan E. Picillo, MEd

ASSOCIATE ACADEMIC SPECIALIST

Salim A. Lotuff III, MA

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 provides the enriching background to allow our students to contribute significantly to the communication sector, whether that contribution is within organizations 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. See pages 295–298 for course descriptions.

Transferring to the Major

Students wishing to transfer to the major must have a cumulative GPA of 3.000 overall and must have completed

CMN U101	Introduction to Communication Studies	4 SH
and one of the following courses:		
CMN U112	Public Speaking	4 SH
(no prerequisite)		

CMN U220	Media, Culture, Society (prerequisite CMN U101)	4 SH
CMN U231	Principles of Organizational Communication (prerequisite CMN U101)	4 SH

with grades of B or higher. Acceptance into the major will be based on students meeting the department's criteria for admission and availability of space in the programs.

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 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

COMMUNICATION STUDIES MAJOR REQUIREMENTS

Introduction to College

Complete the following course:

CMN U100	Communication Studies at Northeastern	1 SH
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Communication Studies Core Requirements

Complete the following four courses:

CMN U101	Introduction to Communication Studies	4 SH
CMN U112	Public Speaking	4 SH
CMN U220	Media, Culture, Society	4 SH
CMN U231	Principles of Organizational Communication	4 SH

COMMUNICATION STUDIES CONCENTRATION

Complete the concentration in public communication, the concentration in media studies, or the concentration in organizational communication.

Concentration in Public Communication

REQUIRED COURSES

Complete the following two courses:

CMN U310	Classical Age of Speech and Rhetoric	4 SH
CMN U410	Rhetorical Theory and Criticism	4 SH

PUBLIC COMMUNICATION ELECTIVES

Complete three courses from the following list:

CMN U230	Interpersonal Communication	4 SH
CMN U301	Methods and Research in Communication	4 SH
CMN U302	Advertising and Promotional Culture	4 SH
CMN U303	Global and Intercultural Communication	4 SH
CMN U304	Communication and Gender	4 SH
CMN U311	Argumentation and Debate	4 SH
CMN U312	Voice and Articulation	4 SH
CMN U401	Advertising Principles and Practices	4 SH

CMN U402	Presentation, Style, and Professional Communication	4 SH
CMN U510	Persuasion in Contemporary Culture	4 SH
CMN U511	Oral Interpretation of Literature	4 SH
CMN U601	Discourse Analysis	4 SH
CMN U610	Political Communication	4 SH
CMN U631	Crisis Communication and Image Management	4 SH

Concentration in Media Studies

REQUIRED COURSE

Complete the following course:

CMN U320	Theories of Media and Culture	4 SH
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MEDIA STUDIES ELECTIVES

Complete four courses from the following list (any production courses must be taken in sequence):

CMN U301	Methods and Research in Communication	4 SH
CMN U302	Advertising and Promotional Culture	4 SH
CMN U303	Global and Intercultural Communication	4 SH
CMN U304	Communication and Gender	4 SH
CMN U321	Television: Text and Context	4 SH
CMN U322	Popular Music as Media Form	4 SH
CMN U401	Advertising Principles and Practices	4 SH
CMN U421	Sports Broadcasting	4 SH
CMN U422	Media Audiences	4 SH
CMN U423	Foundations of Electronic Media	4 SH
CMN U424	Broadcasting Management and Programming	4 SH
CMN U622	New Media Culture	4 SH

PRODUCTION

CMN U420	Audio Production	4 SH
CMN U520	Television Studio Production	4 SH
CMN U620	Television Field Production	4 SH
CMN U621	Digital Editing for TV	4 SH

Concentration in Organizational Communication

REQUIRED COURSES

Complete the courses in the following order:

PART ONE

Complete the following course:

CMN U531	Advanced Organizational Communication	4 SH
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PART TWO

Complete two courses from the following list:

CMN U532	Theories of Conflict and Negotiation	4 SH
CMN U533	Consultation Skills	4 SH
CMN U630	Assessment Technique and Planning	4 SH
CMN U631	Crisis Communication and Image Management	4 SH

ORGANIZATIONAL COMMUNICATION ELECTIVES

Complete two courses from the following list:

CMN U230	Interpersonal Communication	4 SH
CMN U301	Methods and Research in Communication	4 SH
CMN U303	Global and Intercultural Communication	4 SH
CMN U304	Communication and Gender	4 SH

CMN U401	Advertising Principles and Practices	4 SH
CMN U402	Presentation, Style, and Professional Communication	4 SH
CMN U530	Communication and Quality of Life	4 SH
CMN U534	Group Communication	4 SH

COMMUNICATIONS STUDIES MAJOR ELECTIVES

Complete four courses from any concentration or from the following list:

CMN U901	Senior Seminar in Communications	4 SH
CMN U910	Special Topics in Public Communication	4 SH
CMN U912	Special Topics in Media Studies	4 SH
CMN U914	Special Topics: Organizational Communication	4 SH
CMN U916	Organizational Communication Practicum	4 SH
CMN U924	Directed Study	4 SH
CMN U944	Internship in Communication	4 SH

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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

BA in Cinema Studies and Communication Studies

See page 77.

Minor in Communication Studies

REQUIRED COURSES

Complete the following four courses:

CMN U101	Introduction to Communication Studies	4 SH
CMN U112	Public Speaking	4 SH
CMN U220	Media, Culture, Society	4 SH
CMN U231	Principles of Organizational Communication	4 SH

ELECTIVE COURSES

Complete two courses from the following list:

CMN U230 to CMN U699
CMN U910 to CMN U914

GPA REQUIREMENT

2.000 GPA required in the minor

EARTH AND ENVIRONMENTAL SCIENCES

www.casdn.neu.edu/~geology

MALCOLM D. HILL, PhD

Associate Professor and Interim Chair

JENNIFER RIVERS COLE, PhD

Associate Academic Specialist and Director of Environmental Studies Program

PROFESSOR

Richard H. Bailey, PhD

ASSOCIATE PROFESSORS

Peter S. Rosen, PhD

Martin E. Ross, PhD

LECTURER

Daniel Douglass, PhD

ACADEMIC SPECIALIST AND DIRECTOR OF GIS LABORATORY

Todd G. Fritch, PhD

ASSISTANT ACADEMIC SPECIALIST

Cordula A. Robinson, PhD

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 multi-disciplinary 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 helps 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 provide an Open Option 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.

Our 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, rather than environmental science. 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 set of intermediate- to upper-level courses in an area appropriate to the student's career objectives. A senior thesis is required in the environmental studies major.

A number of dual-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 utilize 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. Students in the environmental studies program are prepared to work in environmental planning, regulation, policy, or compliance. These broad-based programs also 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. See pages 325–331 for course descriptions.

Transferring to the Major

Same as college standards. Acceptance into the major will be based on students meeting the department's criteria for admission and availability of space in the programs.

Academic Progression Standards

Same as college standards.

BS in Environmental Science

NU CORE REQUIREMENTS

See page 24 for requirement list.

ENVIRONMENTAL SCIENCE MAJOR REQUIREMENTS

Geology Courses

Complete the following six courses with corresponding labs, as indicated:

ENV U115	Environmental Science	4 SH
ENV U200	Dynamic Earth	4 SH
with ENV U201	Lab for ENV U200	1 SH
ENV U340	Earth Landforms and Processes	4 SH
with ENV U341	Lab for ENV U340	1 SH
ENV U510	Environmental Planning	4 SH
or ENV U550	Geology and Land-Use Planning	4 SH
ENV U520	Applied Hydrogeology	4 SH
with ENV U521	Lab for ENV U520	1 SH
ENV U560	Geographic Information Systems	4 SH
with ENV U561	Lab for ENV U560	1 SH

Calculus 1

Complete one of the following courses:

MTH U141	Calculus 1	4 SH
MTH U151	Calculus and Differential Equations for Biology 1	4 SH

Calculus 2

Complete one of the following courses:

MTH U142	Calculus 2	4 SH
MTH U152	Calculus and Differential Equations for Biology 2	4 SH

Biology 1

Complete one of the following courses with corresponding lab:

BIO U101	Principles of Biology 1	4 SH
with BIO U102	Lab for BIO U101	1 SH
BIO U111	General Biology 1	4 SH
with BIO U112	Lab for BIO U111	1 SH

General Chemistry 1

Complete the following course with corresponding lab:

CHM U211	General Chemistry 1	4 SH
with CHM U212	Lab for CHM U211	1 SH

Biology 2

Complete one of the following courses with corresponding lab:

BIO U103	Principles of Biology 2	4 SH
with BIO U104	Lab for BIO U103	1 SH
BIO U113	General Biology 2	4 SH
with BIO U114	Lab for BIO U113	1 SH

General Chemistry 2

Complete the following course with corresponding lab:

CHM U214	General Chemistry 2	4 SH
with CHM U215	Lab for CHM U214	1 SH

Earth and Environmental Science Capstone

Complete the following course:

ENV U900	Earth and Environmental Science Capstone	1 SH
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ENVIRONMENTAL SCIENCE DISCIPLINES

Complete the required courses in one of the disciplines (surficial processes, marine science, wildlife studies, environmental geology, or the independent discipline) listed below:

Surficial Processes**ORGANIC CHEMISTRY**

Complete one of the following courses with corresponding lab:

CHM U104	Organic Chemistry for Health Sciences	4 SH
with CHM U105	Lab for CHM U104	1 SH
CHM U311	Organic Chemistry 1	4 SH
with CHM U312	Lab for CHM U311	1 SH

SURFICIAL PROCESSES ELECTIVES

Complete four courses from the following list with corresponding labs, as indicated:

CIV U334	Environmental Engineering 1	4 SH
CIV U340	Soil Mechanics	4 SH
ENV U310	Earth Materials	4 SH
with ENV U311	Lab for ENV U310	1 SH
ENV U400	Field Geology	4 SH
ENV U410	Environmental Geochemistry	4 SH
ENV U418	Geophysics	4 SH
ENV U501	Geologic Field Seminar	4 SH
ENV U523	Soil Science	4 SH
ENV U535	Introduction to Remote Sensing	4 SH
with ENV U536	Lab for ENV U535	1 SH
ENV U544	Sedimentation	4 SH
with ENV U545	Lab for ENV U544	1 SH
ENV U546	Coastal Processes	4 SH
with ENV U547	Lab for ENV U546	1 SH
ENV U555	Wetlands	4 SH
ENV U557	Environmental Pollution	4 SH
ENV U570	Glacial and Quaternary History	4 SH
with ENV U571	Lab for ENV U570	1 SH
ENV U580	Groundwater Modeling	4 SH
ENV U582	Groundwater Geochemistry	4 SH

Marine Science**ORGANIC CHEMISTRY**

Complete one of the following courses with corresponding lab:

CHM U311	Organic Chemistry 1	4 SH
with CHM U312	Lab for CHM U311	1 SH
CHM U104	Organic Chemistry for Health Sciences	4 SH
with CHM U105	Lab for CHM U104	1 SH

MARINE SCIENCE ELECTIVES

Complete either one semester of the Three Seas Marine Biology Program or complete three marine science courses with corresponding labs, as indicated:

THREE SEAS PROGRAM

BIO U501	Marine Botany	4 SH
with BIO U502	Lab for BIO U501	1 SH
BIO U503	Marine Invertebrate Zoology	4 SH
with BIO U504	Lab for BIO U503	1 SH
BIO U505	Biology of Corals and Coral Reefs	3 SH
BIO U507	Biology and Ecology of Fishes	3 SH
BIO U509	Marine Birds and Mammals	2 SH
with BIO U510	Lab for BIO U509	1 SH
BIO U511	Adaptations of Aquatic Organisms	3 SH
BIO U513	Tropical Terrestrial Ecology	1 SH
BIO U515	Benthic Marine Ecology	3 SH

BIO U517	Oceanography	2 SH
with BIO U518	Lab for BIO U517	1 SH
BIO U519	Ocean and Coastal Processes	3 SH
BIO U521	Experimental Design Marine Ecology	4 SH
with BIO U522	Lab for BIO U521	1 SH
BIO U523	Molecular Marine Biology	3 SH
BIO U525	Marine Microbial Ecology	2 SH
with BIO U526	Lab for BIO U525	1 SH

MARINE SCIENCE COURSES

BIO U301	Genetics and Molecular Biology	4 SH
with BIO U302	Lab for BIO U301	1 SH
BIO U311	Ecology	4 SH
with BIO U312	Lab for BIO U311	1 SH
BIO U315	Invertebrate Zoology	4 SH
with BIO U316	Lab for BIO U315	1 SH

Wildlife Studies**REQUIRED COURSES**

Complete the following three courses with corresponding labs:

BIO U301	Genetics and Molecular Biology	4 SH
with BIO U302	Lab for BIO U301	1 SH
BIO U311	Ecology	4 SH
with BIO U312	Lab for BIO U311	1 SH
CHM U311	Organic Chemistry 1	4 SH
with CHM U312	Lab for CHM U311	1 SH
or CHM U104	Organic Chemistry for Health Sciences	4 SH
with CHM U105	Lab for CHM U104	1 SH

WILDLIFE STUDIES ELECTIVES

Complete two courses from the following list with corresponding labs, as indicated:

BIO U315	Invertebrate Zoology	4 SH
with BIO U316	Lab for BIO U315	1 SH
BIO U317	Vertebrate Zoology	4 SH
with BIO U318	Lab for BIO U317	1 SH
BIO U403	Animal Behavior	4 SH
BIO U509	Marine Birds and Mammals	2 SH
with BIO U510	Lab for BIO U509	1 SH
BIO U559	Entomology	4 SH
with BIO U560	Lab for BIO U559	1 SH
BIO U561	Herpetology	4 SH
with BIO U562	Lab for BIO U561	1 SH
BIO U563	Ornithology	4 SH
with BIO U564	Lab for BIO U563	1 SH
BIO U565	Mammalogy	4 SH
with BIO U566	Lab for BIO U565	1 SH
BIO U567	Wildlife Biology	4 SH
with BIO U568	Lab for BIO U567	1 SH

Environmental Geology**REQUIRED COURSES**

Complete the following two courses with corresponding labs:

ENV U220	History of Earth and Life	4 SH
with ENV U221	Interpreting Earth History	1 SH
ENV U310	Earth Materials	4 SH
with ENV U311	Lab for ENV U310	1 SH

ENVIRONMENTAL GEOLOGY ELECTIVES

Complete three of the following courses with corresponding labs, as indicated:

ENV U320	Igneous Petrology and Volcanology	4 SH
with ENV U321	Lab for ENV U320	1 SH
ENV U400	Field Geology	4 SH
ENV U410	Environmental Geochemistry	4 SH
ENV U418	Geophysics	4 SH
ENV U501	Geologic Field Seminar	4 SH
ENV U523	Soil Science	4 SH
ENV U530	Structural Geology	4 SH
with ENV U531	Lab for ENV U530	1 SH
ENV U535	Introduction to Remote Sensing	4 SH
with ENV U536	Lab for ENV U535	1 SH
ENV U540	Sedimentary Basin Analysis	4 SH
with ENV U541	Lab for ENV U540	1 SH
ENV U542	Fossils and Paleoecology	4 SH
with ENV U543	Lab for ENV U542	1 SH
ENV U544	Sedimentation	4 SH
with ENV U545	Lab for ENV U544	1 SH
ENV U546	Coastal Processes	4 SH
with ENV U547	Lab for ENV U546	1 SH
ENV U570	Glacial and Quaternary History	4 SH
with ENV U571	Lab for ENV U570	1 SH
ENV U585	Engineering Geology	4 SH

Independent Discipline**ENVIRONMENTAL SCIENCE COURSES**

Complete a suite of at least five courses that have been approved by your advisor.

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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

BA in Environmental Studies**NU CORE REQUIREMENTS**

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

ENVIRONMENTAL STUDIES MAJOR**Science Courses**

Complete the following three courses with corresponding lab:

BIO U145	Environment and Humankind	4 SH
CHM U101	General Chemistry for Health Sciences	4 SH
with CHM U102	Lab for CHM U101	1 SH
ENV U115	Environmental Science	4 SH

History Course

Complete the following course:

HST U342	Environmental History of North America	4 SH
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Economics Course

Complete the following course:

ECN U116	Principles of Microeconomics	4 SH
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Sociology Course

Complete the following course:

SOC U246	Environment and Sociology	4 SH
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Political Science Courses

Complete the following two courses:

POL U150	American Government	4 SH
POL U395	Environmental Politics	4 SH

Geology Courses

Complete the following two courses:

ENV U112	Environmental Geology	4 SH
ENV U510	Environmental Planning	4 SH

Statistics Course

Complete one course from the following list:

ECN U350	Statistics	4 SH
MTH U280	Statistics and Software	4 SH
POL U400	Quantitative Techniques	4 SH
PSY U320	Statistics in Psychological Research	4 SH
SOC U320	Statistical Analysis in Sociology	4 SH

Upper-Division Electives

Complete six courses in one area. See department for area options.

Senior Thesis

Complete the following course:

ENV U700	Senior Thesis	4 SH
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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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

BA in Environmental Studies and History**NU CORE REQUIREMENTS**

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

ENVIRONMENTAL STUDIES REQUIREMENTS**Science Requirements**

Complete the following three courses with corresponding lab:

BIO U145	Environment and Humankind	4 SH
ENV U115	Environmental Science	4 SH
ENV U220	History of Earth and Life	4 SH
with ENV U221	Interpreting Earth History	1 SH

Humanities Requirement

Complete the following course:

PHL U180	Environmental Ethics	4 SH
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Social Science Requirements

Complete the following three courses:

ECN U116	Principles of Microeconomics	4 SH
POL U150	American Government	4 SH
SOC U246	Environment and Sociology	4 SH

Environmental Studies Electives

Complete two courses from the following list:

ECN U423	Environmental Economics	4 SH
PHL U480	Environmental Philosophy	4 SH
POL U395	Environmental Politics	4 SH

HISTORY REQUIREMENTS**History Requirements**

Complete the following six courses:

HST U130	Introduction to American History	4 SH
HST U170	Introduction to European History	4 SH
HST U201	The History Colloquium	4 SH
HST U301	The History Seminar	4 SH
with HST U302	Historical Writing	1 SH
HST U342	Environmental History of North America	4 SH

History-Geographic Area Electives

Complete two courses from the following list:

HST U150	East Asian Studies	4 SH
HST U180	African History	4 SH
HST U185	Introduction to Middle Eastern History	4 SH
HST U210	Atlantic Connection	4 SH
HST U251	Modern East Asia	4 SH
HST U254	Contemporary China	4 SH
HST U260	Modern Latin America	4 SH
HST U261	The Modern Caribbean	4 SH
HST U265	Canadian History	4 SH

History Area Electives

Complete four HST courses, approved by a faculty advisor, focused on an idea or geographic area. These courses must be at the 300-level or above.

INTEGRATIVE COURSES**Required Integrative Course**

Complete the following course with corresponding lab:

ENV U560	Geographic Information Systems	4 SH
with ENV U561	Lab for ENV U560	1 SH

Integrated Elective

Complete one course from the following list:

ENV U510	Environmental Planning	4 SH
ENV U550	Geology and Land-Use Planning	4 SH
HST U222	History of Science and Technology	4 SH

EXPERIENTIAL EDUCATION AND CAPSTONE**Experiential Education**

Complete an approved activity from either department, combined with reflection in capstone.

Capstone Course

Complete one of the following courses:

ENV U390	Experiential Education Seminar	4 SH
ENV U700	Senior Thesis	4 SH
ENV U900	Earth and Environmental Science Capstone	1 SH
ENV U970	Junior/Senior Project 1	4 SH
HST U701	Capstone Seminar	4 SH

**ENVIRONMENTAL STUDIES AND HISTORY
DUAL-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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

BA in Environmental Studies and International Affairs**NU CORE REQUIREMENTS**

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

ENVIRONMENTAL STUDIES REQUIREMENTS**Social Science Component**

Complete one course from each subject area:

PHILOSOPHY

PHL U180	Environmental Ethics	4 SH
PHL U480	Environmental Philosophy	4 SH

SOCIOLOGY

SOC U246	Environment and Sociology	4 SH
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POLITICAL SCIENCE

POL U395	Environmental Politics	4 SH
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Science Component

Complete one course from each subject area:

BIOLOGY

BIO U145 Environment and Humankind 4 SH

EARTH AND ENVIRONMENTAL SCIENCES

ENV U112 Environmental Geology 4 SH

ENV U114 Natural Disasters and Catastrophes 4 SH

ENV U200 Dynamic Earth 4 SH

ENVIRONMENT

ENV U115 Environmental Science 4 SH

QUANTITATIVE METHODS

ENV U560 Geographic Information Systems 4 SH

with ENV U561 Lab for ENV U560 1 SH

MTH U280 Statistics and Software 4 SH

PLANNING

ENV U510 Environmental Planning 4 SH

ENV U550 Geology and Land-Use Planning 4 SH

INTERNATIONAL AFFAIRS REQUIREMENTS**Required Courses**

Complete the following three courses:

IAF U101 Globalization and International Affairs 4 SH

IAF U400 International Conflict and Negotiation 4 SH

POL U155 Comparative Politics 4 SH

Regional Analysis

Complete two regional analysis courses, both of which must be in one region, from the list “Approved Courses: International Affairs—Regional Analysis and Global Dynamics” on page 117. Summer-session study abroad are also acceptable in combination with “Dialogue of Civilizations.” See department for additional courses.

Global Dynamics

Complete three global dynamics courses from the list “Approved Courses: International Affairs—Regional Analysis and Global Dynamics” on page 117. *Note:* POL U155 is a required course and may not be used to satisfy the global dynamics requirement. See department for additional courses.

International Experiential Education

Complete at least one “international semester” via study abroad, international internship, international co-op, or two short-term programs.

INTEGRATIVE COURSES

Complete four courses from the following list:

ECN U423 Environmental Economics 4 SH

or ECN U290 The Global Economy 4 SH

ENV U515 Sustainable Development 4 SH

HST U211 World History since 1945 4 SH

or HST U342 Environmental History of North America 4 SH

IAF U700 Senior Capstone Seminar 4 SH
in International Affairs

ENVIRONMENTAL STUDIES AND INTERNATIONAL AFFAIRS DUAL-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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

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

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

ENVIRONMENTAL STUDIES REQUIREMENTS**Social Science Component**

Complete the following four courses. *Note:* ECN U116 is a recommended prerequisite for ECN U423, and POL U150 is a recommended prerequisite for POL U395:

ECN U423 Environmental Economics 4 SH

HST U342 Environmental History of North America 4 SH

POL U395 Environmental Politics 4 SH

SOC U246 Environment and Sociology 4 SH

Science Component**BIOLOGY**

Complete the following course:

BIO U145 Environment and Humankind 4 SH

EARTH AND ENVIRONMENTAL SCIENCES

Complete one course from the following list:

ENV U112 Environmental Geology 4 SH

ENV U114 Natural Disasters and Catastrophes 4 SH

ENV U200 Dynamic Earth 4 SH

ENVIRONMENT

Complete the following course:

ENV U115 Environmental Science 4 SH

QUANTITATIVE METHODS

Complete one course from the following list with any corresponding labs:

ENV U560 Geographic Information Systems 4 SH

with ENV U561 Lab for ENV U560 1 SH

MTH U280 Statistics and Software 4 SH

PHILOSOPHY REQUIREMENTS**Philosophy Required Courses**

Complete the following four courses:

PHL U115 Introduction to Logic 4 SH

or PHL U215 Symbolic Logic 4 SH

PHL U180 Environmental Ethics 4 SH

PHL U325 Ancient Philosophy 4 SH

PHL U330 Modern Philosophy 4 SH

Philosophy of Science/Environment

Complete one of the following courses:

PHL U480	Environmental Philosophy	4 SH
PHL U510	Philosophy of Science	4 SH

Advanced Philosophy Elective

Complete one course from the following list:

PHL U435	Moral Philosophy	4 SH
PHL U500	Theory of Knowledge	4 SH
PHL U505	Metaphysics	4 SH
PHL U535	Philosophy of Mind	4 SH

Philosophy Seminar

Complete one philosophy seminar:

PHL U901	Topics in Philosophy Seminar	4 SH
PHL U902	Great Philosophers Seminar	4 SH

Additional Electives

Complete two additional electives in philosophy.

INTEGRATIVE COURSES**Integrative Courses**

Complete the following two courses:

ENV U510	Environmental Planning	4 SH
ENV U550	Geology and Land-Use Planning	4 SH

**ENVIRONMENTAL STUDIES/PHILOSOPHY
DUAL-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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

BA in Environmental Studies and Political Science**NU CORE REQUIREMENTS**

See page 24 for requirement list.

COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

ENVIRONMENTAL STUDIES REQUIREMENTS**Social Science Component**

Complete one course in each of the following four subject areas:

PHILOSOPHY

PHL U180	Environmental Ethics	4 SH
PHL U480	Environmental Philosophy	4 SH

SOCIOLOGY

SOC U246	Environment and Sociology	4 SH
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ECONOMICS

ECN U423	Environmental Economics	4 SH
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HISTORY

HST U342	Environmental History of North America	4 SH
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Science Component

Complete one course in each of the following four subject areas:

BIOLOGY

BIO U145	Environment and Humankind	4 SH
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EARTH AND ENVIRONMENTAL SCIENCES

ENV U112	Environmental Geology	4 SH
ENV U114	Natural Disasters and Catastrophes	4 SH
ENV U200	Dynamic Earth	4 SH

ENVIRONMENT

ENV U115	Environmental Science	4 SH
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QUANTITATIVE METHODS

ENV U560	Geographic Information Systems	4 SH
with ENV U561	Lab for ENV U560	1 SH
MTH U280	Statistics and Software	4 SH

POLITICAL SCIENCE MAJOR REQUIREMENTS**Political Science Requirements**

Complete the following five courses:

POL U150	American Government	4 SH
POL U155	Comparative Politics	4 SH
POL U160	International Relations	4 SH
POL U395	Environmental Politics	4 SH
POL U400	Quantitative Techniques	4 SH

Political Theory

Complete one course from the following list:

POL U326	Premodern Political Thought	4 SH
POL U328	Modern Political Thought	4 SH
POL U330	American Political Thought	4 SH
POL U332	Contemporary Political Thought	4 SH

Political Science Restricted Electives

Complete two courses from the following list:

POL U307	Public Policy and Administration	4 SH
POL U315	Interest Groups and Public Policy	4 SH
POL U334	Bureaucracy and Government Organizations	4 SH
POL U390	Science, Technology, and Public Policy	4 SH
POL U407	International Organizations	4 SH
POL U487	Politics of Developing Nations	4 SH

Political Science Elective

Complete one additional political science course.

INTEGRATIVE COURSES**Integrative Courses**

Complete the following two courses:

ENV U510	Environmental Planning	4 SH
ENV U550	Geology and Land-Use Planning	4 SH

**ENVIRONMENTAL STUDIES/POLITICAL SCIENCE
DUAL-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

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

BS in Environmental Geology and Chemistry

For degree requirements, please visit the myNEU Web Portal (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 (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 (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 (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 (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 (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 (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 (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 (myneu.neu.edu), click on the “Self-Service” tab, then on “My Degree Audit.”

Minor in Environmental Geology**REQUIRED COURSES**

Complete the following four courses with corresponding labs:

ENV U200	Dynamic Earth	4 SH
with ENV U201	Lab for ENV U200	1 SH
ENV U220	History of Earth and Life	4 SH
with ENV U221	Interpreting Earth History	1 SH
ENV U310	Earth Materials	4 SH
with ENV U311	Lab for ENV U310	1 SH
ENV U510	Environmental Planning	4 SH
or ENV U550	Geology and Land-Use Planning	4 SH

GEOLOGY ELECTIVE

Complete one ENV course.

GPA REQUIREMENT

2.000 GPA required in the minor

Minor in Environmental Science**COURSE WORK****Introductory Course Work**

Complete one of the following courses or course/lab combinations:

BIO U121	Basic Microbiology	4 SH
with BIO U122	Lab for BIO U121	1 SH
ENV U115	Environmental Science	4 SH

Science or Engineering

Complete one of the following courses or course/lab combinations based on your major:

ENGINEERING MAJORS

CHM U214	General Chemistry 2	4 SH
with CHM U215	Lab for CHM U214	1 SH

OTHER MAJORS

CHM U311	Organic Chemistry 1	4 SH
with CHM U312	Lab for CHM U311	1 SH
CHM U321	Analytical Chemistry	4 SH
with CHM U322	Lab for CHM U321	1 SH
CIV U334	Environmental Engineering 1	4 SH

Social Sciences

Complete one of the following courses:

ECN U423	Environmental Economics	4 SH
PHL U180	Environmental Ethics	4 SH
POL U395	Environmental Politics	4 SH
SOC U246	Environment and Sociology	4 SH
SOC U485	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 at the 100-level. Only one course or course/lab combination may be selected from a group:

Physics Group

For nonengineering/nonscience majors only:

PHY U132 Energy, Environment, and Society 4 SH

Biology Group

BIO U311 Ecology 4 SH

BIO U317 Vertebrate Zoology 4 SH

BIO U559 Entomology 4 SH

BIO U561 Herpetology 4 SH

BIO U563 Ornithology 4 SH

BIO U565 Mammalogy 4 SH

BIO U567 Wildlife Biology 4 SH

Environmental Planning Group

ENV U510 Environmental Planning 4 SH

ENV U550 Geology and Land-Use Planning 4 SH

Geology Group

ENV U340 Earth Landforms and Processes 4 SH

with ENV U341 Lab for ENV U340 1 SH

ENV U523 Soil Science 4 SH

ENV U557 Environmental Pollution 4 SH

Hydrogeology Group

ENV U520 Applied Hydrogeology 4 SH

with ENV U521 Lab for ENV U520 1 SH

ENV U580 Groundwater Modeling 4 SH

ENV U582 Groundwater Geochemistry 4 SH

Geographic Information Systems Group

ENV U560 Geographic Information Systems 4 SH

with ENV U561 Lab for ENV U560 1 SH

Civil Engineering Group

CIV U534 Environmental Engineering 2 3 SH

CIV U536 Hydrologic Engineering 4 SH

INTERDISCIPLINARY WORK**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 Studies**REQUIRED COURSE**

Complete the following course:

ENV U115 Environmental Science 4 SH

SCIENCE COURSE

Complete one course from the following list with corresponding lab if indicated:

BIO U145 Environment and Humankind 4 SH

CHM U211 General Chemistry 1 4 SH

with CHM U212 Lab for CHM U211 1 SH

ENV U112 Environmental Geology 4 SH

ENV U200 Dynamic Earth 4 SH

with ENV U201 Lab for ENV U200 1 SH

SOCIAL SCIENCE COURSES

Complete two courses from the following list:

ECN U116 Principles of Microeconomics 4 SH

HST U342 Environmental History of North America 4 SH

POL U150 American Government 4 SH

SOC U246 Environment and Sociology 4 SH

INTERDISCIPLINARY COURSES

Complete two courses from the following list:

ENV U510 Environmental Planning 4 SH

ENV U550 Geology and Land-Use Planning 4 SH

ENV U557 Environmental Pollution 4 SH

POL U395 Environmental Politics 4 SH

GPA REQUIREMENT

2.000 GPA required in the minor

For more information on the environmental studies minor, contact the program director, Professor Jennifer Rivers Cole (14 Holmes), at 617.373.3039 or at j.cole@neu.edu.

Minor in Geology**REQUIRED COURSES**

Complete the following four courses with corresponding labs:

ENV U200 Dynamic Earth 4 SH

with ENV U201 Lab for ENV U200 1 SH

ENV U220 History of Earth and Life 4 SH

with ENV U221 Interpreting Earth History 1 SH

ENV U310 Earth Materials 4 SH

with ENV U311 Lab for ENV U310 1 SH

ENV U320 Igneous Petrology and Volcanology 4 SH

with ENV U321 Lab for ENV U320 1 SH

GEOLOGY ELECTIVE

Complete one ENV course.

GPA REQUIREMENT

2.000 GPA required in the minor