

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 provides 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.

BS in Chemistry

COLLEGE OF ARTS AND SCIENCES BS CORE REQUIREMENTS FOR NATURAL SCIENCE MAJORS

See page 46 for requirement list.

REQUIRED TECHNICAL COURSES FOR BS IN CHEMISTRY

Mathematics

MTH U151	Calculus and Differential Equations for Biology 1	4 SH
or MTH U241	Calculus 1 for Science and Engineering	4 SH
MTH U152	Calculus and Differential Equations for Biology 2	4 SH
or MTH U242	Calculus 2 for Science and Engineering	4 SH
MTH U345	Ordinary Differential Equations	4 SH
or MTH U343	Differential Equations and Linear Algebra for Engineering	4 SH

Biochemistry

Complete the following two courses and corresponding lab:

BIO U323	Biochemistry	4 SH
with BIO U324	Lab for BIO U323	1 SH
CHM U628	Spectroscopy of Organic Compounds	3 SH

Physics

Complete the following two courses and corresponding labs:

PHY U145	Physics for Life Sciences 1	4 SH
with PHY U146	Lab for PHY U145	1 SH
or PHY U161	Physics 1	4 SH
with PHY U162	Lab for PHY U161	1 SH

PHY U147	Physics for Life Sciences 2	4 SH
with PHY U148	Lab for PHY U147	1 SH
or PHY U165	Physics 2	4 SH
with PHY U166	Lab for PHY U165	1 SH

Advanced Science and Math Elective

Complete one course from one of the following departments:

BIO U500 to BIO U699
CHM U500 to CHM U699
GEO U500 to GEO U699
MTH U500 to MTH U699
PHY U500 to PHY U699

CHEMISTRY MAJOR REQUIREMENTS**General Chemistry**

Complete the following two courses and corresponding labs:

CHM U217	General Chemistry 1 for Chemical Science Majors	4 SH
with CHM U218	Lab for CHM U217	2 SH
CHM U220	General Chemistry 2 for Chemical Science Majors	4 SH
with CHM U221	Lab for CHM U220	2 SH

Intermediate-Level Chemistry

Complete the following five courses and corresponding labs:

CHM U315	Organic Chemistry 1 for Chemistry Majors	4 SH
with CHM U316	Lab for CHM U315	2 SH
CHM U317	Organic Chemistry 2 for Chemistry Majors	4 SH
with CHM U318	Lab for CHM U317	2 SH
CHM U321	Analytical Chemistry	4 SH
with CHM U322	Lab for CHM U321	1 SH
CHM U401	Physical Chemistry 1	4 SH
with CHM U402	Lab for CHM U401	1 SH
CHM U403	Physical Chemistry 2	4 SH
with CHM U404	Lab for CHM U403	1 SH

Advanced-Level Chemistry

Complete the following three courses:

CHM U501	Inorganic Chemistry	4 SH
CHM U522	Instrumental Methods of Analysis Lab	4 SH
CHM U532	Chemical Synthesis Characterization Lab	4 SH

Senior Research

Complete the following course:

CHM U750	Senior Research	4 SH
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Chemistry Capstone

Complete the following course:

CHM U770	Chemistry Capstone	4 SH
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EXPERIENTIAL EDUCATION REQUIREMENT

Complete one course in experiential education. Please see department for approved courses.

CHEMISTRY 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

136 total semester hours required
Minimum 2.000 GPA required

Minor in Chemistry**REQUIRED COURSES**

Complete the following six courses with corresponding labs.

Engineering students may take CHM U151 in place of CHM U211 and two other chemistry courses in place of CHM U214 and CHM U401.

CHM U211	General Chemistry 1	4 SH
with CHM U212	Lab for CHM U211	1 SH
CHM U214	General Chemistry 2	4 SH
with CHM U215	Lab for CHM U214	1 SH
CHM U311	Organic Chemistry 1	4 SH
with CHM U312	Lab for CHM U311	1 SH
CHM U313	Organic Chemistry 2	4 SH
with CHM U314	Lab for CHM U313	1 SH
CHM U401	Physical Chemistry 1	4 SH
with CHM U402	Lab for CHM U401	1 SH
CHM U403	Physical Chemistry 2	4 SH
with CHM U404	Lab for CHM U403	1 SH

GPA REQUIREMENT

2.000 GPA required in the minor

CINEMA STUDIES

www.dac.neu.edu/cinema

INEZ HEDGES, PhD, *Professor, Modern Languages*
KATHY HOWLETT, PhD, *Associate Professor, English*
Codirectors of the Program in Cinema Studies

MATTHEWS DISTINGUISHED UNIVERSITY PROFESSOR

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

PROFESSORS

Constance H. Rose, PhD, *Modern Languages*
Michael Ryan, PhD, *English*

ASSISTANT PROFESSORS

Gerald H. Herman, MA, *History*
Rei Okamoto, PhD, *Modern Languages*
Alan West-Durand, PhD, *Modern Languages*

LECTURERS

Michele Cao-Danh, PhD, *Modern Languages*
Emily Fox Kales, PhD, *Interdisciplinary Studies*
Louise McBryde, MA, *Interdisciplinary Studies*

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 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, and theatre.

Cooperative education placements (arranged through the student's other dual major program) and internships (arranged through cinema studies) 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 television 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.

BA in Cinema Studies and Communication Studies

COLLEGE OF ARTS AND SCIENCES BA CORE REQUIREMENTS FOR ARTS/HUMANITIES MAJORS

See page 45 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See "Cinema Requirements for Cinema Studies Dual Major" on page 67.

COMMUNICATIONS REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

Introductory Communications

Complete the following two courses:

CMN U101	Intro 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 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**COLLEGE OF ARTS AND SCIENCES BA CORE REQUIREMENTS FOR SPECIFIED PROGRAMS FOR ARTS/HUMANITIES MAJORS**

See page 45 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See "Cinema Requirements for Cinema Studies Dual Major" on page 67.

ENGLISH REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR**Literature Backgrounds**

Complete the following course:

ENG U226 Backgrounds in English and American Literature 4 SH

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

Complete one Shakespeare course:

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 different 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

SEVENTEENTH CENTURY

ENG U617 Seventeenth-Century English Literature 4 SH

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

NINETEENTH CENTURY

ENG U519 American Novels 1 4 SH
 ENG U621 Romantic Poetry 4 SH
 ENG U624 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 Interpretation 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

Junior/Senior Seminar

Complete the following course:

ENG U710 Junior/Senior Seminar 4 SH

English Elective

Complete one English course except the following courses:

ENG U165 Poetry 4 SH
 ENG U166 Fiction 4 SH
 ENG U167 Drama 4 SH

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

COLLEGE OF ARTS AND SCIENCES BA CORE REQUIREMENTS FOR ARTS/HUMANITIES MAJORS

See page 45 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See “Cinema Requirements for Cinema Studies Dual Major” on page 67.

JOURNALISM REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

Journalism Foundations

Complete the following four courses:

JRN U101	Journalism 1	4 SH
JRN U150	Interpreting the Day’s News	4 SH
JRN U201	Journalism 2	4 SH
JRN U301	Journalism 3	4 SH

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
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Ethics and Issues

Complete the following course:

JRN U650	Journalism Ethics and Issues	4 SH
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Journalism Elective

Complete one course from the journalism department.

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

COLLEGE OF ARTS AND SCIENCES BA CORE REQUIREMENTS FOR ARTS/HUMANITIES MAJORS

See page 45 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See “Cinema Requirements for Cinema Studies Dual Major” on page 67.

LANGUAGE REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

Language Requirements

Complete the following three courses in the appropriate language:

FRENCH			
LNF U301	French Conversation and Composition 1	4 SH	
LNF U302	French Conversation and Composition 2	4 SH	
LNF U501	Advanced French	4 SH	
SPANISH			
LNS U301	Spanish Conversation and Composition 1	4 SH	
LNS U302	Spanish Conversation and Composition 2	4 SH	
LNS U501	Advanced Spanish	4 SH	

Literature

Complete one literature course in the appropriate language from the following list:

FRENCH			
LNF U550	Masterpieces of French Literature 1	4 SH	
LNF U551	Masterpieces of French Literature 2	4 SH	
SPANISH			
LNS U550	Masterpieces of Spanish Literature: Twelfth–Seventeenth Century	4 SH	
LNS U551	Masterpieces of Spanish Literature: Eighteenth–Twentieth Century	4 SH	

Advanced Language

Complete one course in the appropriate language above the 400 level.

FRENCH			
LNF U400 to LNF U699			
SPANISH			
LNS U400 to LNS U699			

Study Abroad

Complete four courses in your major while on study abroad.

Experiential Education

The experiential education requirement is satisfied by study abroad.

CINEMA STUDIES AND MODERN LANGUAGES 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**COLLEGE OF ARTS AND SCIENCES BA CORE REQUIREMENTS FOR ARTS/HUMANITIES MAJORS**

See page 45 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See “Cinema Requirements for Cinema Studies Dual Major” on page 67.

THEATRE REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR*Theatre Introduction*

Complete the following three courses:

THE U101	Theatre Arts	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

CINEMA STUDIES AND THEATRE 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
Transition students are required to complete 132 total semester hours
Minimum 2.000 GPA required

BS in Cinema Studies and Theatre**COLLEGE OF ARTS AND SCIENCES BS CORE REQUIREMENTS FOR ARTS/HUMANITIES MAJORS**

See page 45 for requirement list.

CINEMA REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR

See “Cinema Requirements for Cinema Studies Dual Major” on page 67.

THEATRE REQUIREMENTS FOR CINEMA STUDIES DUAL MAJOR*Theatre Introduction*

Complete the following three courses:

THE U101	Theatre Arts	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

CINEMA STUDIES AND THEATRE 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

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, 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 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

CINEMA STUDIES ELECTIVES

Complete two cinema studies courses.

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

Complete 4 semester hours from the following list:

CIN U446	Topics in Documentary Production	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

Minor in Cinema Studies**REQUIRED COURSES**

Complete two courses:

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

EXPERIENTIAL LEARNING

Complete 4 semester hours from the following list:

CIN U446	Topics in Documentary Production	4 SH
CIN U650	Page to Screen	4 SH
CIN U921	Directed Study	1 SH
CIN U922	Directed Study	2 SH
CIN U923	Directed Study	3 SH
CIN U924	Directed Study	4 SH
CIN U945	Cinema Studies Practicum	1 SH
CIN U946	Cinema Studies Practicum	1 SH
CIN U947	Cinema Studies Practicum	1 SH
CIN U948	Cinema Studies Practicum	2 SH
CIN U949	Cinema Studies Practicum	3 SH

ELECTIVE COURSES

Complete three cinema studies courses (not already taken).

GPA REQUIREMENT

2.000 GPA required in the minor

For more information on the cinema studies minor, contact the codirectors of cinema studies, Professor Inez Hedges (429 Meserve) 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

Jayson Harsin, PhD

Carey Noland, PhD

Vincent F. Rocchio, PhD

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 degree 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.

Students who wish to transfer to the communication studies major must meet the department's criteria for acceptance. In addition, space in this program is limited, so students may be admitted on a space-available basis. See pages 259–265 for course descriptions.

BA in Communication Studies

COLLEGE OF ARTS AND SCIENCES BA CORE REQUIREMENTS

See page 44 for requirement list.

COMMUNICATION STUDIES MAJOR REQUIREMENTS

Complete the following five 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
CMN U301	Methods and Research in Communication	4 SH

COMMUNICATION STUDIES CONCENTRATION

Select 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 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 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 one course 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

PART THREE

Complete the following course:

CMN U631	Crisis Communication and Image Management	4 SH
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ORGANIZATIONAL COMMUNICATION ELECTIVES

Complete two courses from the following list:

CMN U230	Interpersonal 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 three 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

EXPERIENTIAL EDUCATION REQUIREMENT

Complete one course in experiential education. Please see department for approved courses.

COMMUNICATIONS STUDIES MAJOR CREDIT REQUIREMENT

Complete 52 semester hours in the major.

UPPER-DIVISION ELECTIVES

Complete three general electives at 300 level or above.

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 63.

Minor in Communication Studies**REQUIRED COURSES**

Complete the following four courses:

CMN U101	Intro 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 three 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

PETER S. ROSEN, PhD

Associate Professor and Chair

PROFESSOR

Richard H. Bailey, PhD

ASSOCIATE PROFESSOR

Martin E. Ross, PhD

ACADEMIC SPECIALIST AND PROGRAM DIRECTOR, ENVIRONMENTAL STUDIES

Jennifer S. Coombs, PhD

MATTHEWS DISTINGUISHED UNIVERSITY PROFESSOR, ENVIRONMENTAL STUDIES

Geoffrey Davies, DSc, *Chemistry*

PROFESSORS, ENVIRONMENTAL STUDIES

Gwilym S. Jones, PhD, *Biology*

Anthony N. Penna, DA, *History*

ASSOCIATE PROFESSORS, ENVIRONMENTAL STUDIES

Christopher J. Bosso, PhD, *Political Science*

Daniel R. Faber, PhD, *Sociology and Anthropology*

Thomas R. Gilbert, PhD, *Chemistry*

Malcolm D. Hill, PhD, *Earth and Environmental Sciences*

Judith Perrolle, PhD, *Sociology and Anthropology*

The earth and environmental sciences program encompasses the multidisciplinary study of the earth, the processes of earth's surface, and human interaction with earth processes. Geologists study the physical features, composition, history, and processes of the earth, and they discover new deposits of minerals and fossil fuels. Many environmental geologists and environmental scientists are working to solve environmental problems, such as soil contamination, flooding, slope stability, or shore erosion related to changing land use, and to develop and protect water resources.

Bachelor of Science programs are offered in geology and in environmental geology and a Bachelor of Arts program is offered in environmental studies. The Bachelor of Science programs require course work in mathematics (through calculus), physics, and chemistry, and a set of required and elective geology and environmental courses. All students complete the College of Arts and Sciences core curriculum. Students in the Bachelor of Arts program take a broader array of nonscience courses and must demonstrate proficiency in a foreign language. Courses in the geology major focus on the basic composition (mineralogy and petrology), structure (structural geology and stratigraphy), and surface of the earth (geomorphology and geochemistry). The environmental geology major has a greater emphasis on earth surface processes, human interactions, and land-use planning. Typical environmental geology courses