

## AFRICAN-AMERICAN STUDIES

[www.afrostudies.neu.edu](http://www.afrostudies.neu.edu)

ROBERT L. HALL, PhD

*Associate Professor and Acting Chair*

---

### PROFESSOR

Ronald W. Bailey, PhD

### ASSOCIATE PROFESSORS

Leonard L. Brown, PhD

Robin M. Chandler, PhD

Jordan Gebre-Medhin, PhD

Kwamina Panford, PhD

### ASSISTANT PROFESSOR

Emmett G. Price III, PhD

### ASSOCIATED FACULTY

Oscar T. Brookins, PhD, *Economics*

Edward A. Bullins, MFA, *Center for the Arts*

William F. S. Miles, PhD, *Political Science*

Peter C. Murrell, PhD, *Education*

Joseph D. Warren, PhD, *Government Relations  
and Community Affairs*

The diverse experiences of black people—in the United States, Africa, the Caribbean, South America, and other parts of the world—are the focus of the field of African-American studies. The curriculum is interdisciplinary in approach and includes historical, social and behavioral, and cultural studies. International studies and contemporary public policy issues are also integral parts of the program. In class, in co-op, and in internships, students apply theoretical knowledge to real-world problems and concerns. Study-abroad programs exist in Ghana, Egypt, South Africa, the Caribbean, and Central and South America.

Students with training in African-American studies have the knowledge to meet the challenges posed by diverse racial, cultural, and ethnic groups in the United States and abroad. Many graduates attend professional schools or teach at the secondary or the college level. Others work in museums, libraries, or research centers; in business; or in public service,

social service, or law-enforcement agencies. See pages 245–251 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.

### BA in African-American Studies

#### NU CORE REQUIREMENTS

See page 24 for requirement list.

#### COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

#### AFRICAN-AMERICAN STUDIES MAJOR REQUIREMENTS

##### Introductory Courses

Complete the following three courses:

AFR U101	African-American Studies	4 SH
AFR U109	Foundations of Black Culture 1	4 SH
AFR U185	Gender in the African Diaspora	4 SH

##### Literature

Complete the following course:

AFR U663	Early African-American Literature	4 SH
----------	-----------------------------------	------

##### Research and Seminar

Complete the following two courses:

AFR U310	Applied Research in the African Diaspora	4 SH
AFR U700	Advanced Seminar	4 SH

##### Electives

Complete six African-American studies courses at the intermediate and advanced level from the following list: AFR U300 to AFR U699

#### AFRICAN-AMERICAN STUDIES MAJOR CREDIT REQUIREMENT

Complete 48 semester hours for 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

### BS in African-American Studies

#### NU CORE REQUIREMENTS

See page 24 for requirement list.

#### AFRICAN-AMERICAN STUDIES MAJOR REQUIREMENTS

##### Introductory Courses

Complete the following three courses:

AFR U101	African-American Studies	4 SH
AFR U109	Foundations of Black Culture 1	4 SH
AFR U185	Gender in the African Diaspora	4 SH

##### Literature

Complete the following course:

AFR U663	Early African-American Literature	4 SH
----------	-----------------------------------	------

##### Research and Seminar

Complete the following two courses:

AFR U310	Applied Research in the African Diaspora	4 SH
AFR U700	Advanced Seminar	4 SH

##### Electives

Complete six African-American Studies courses at the intermediate and advanced level from the following list: AFR U300 to AFR U699

#### AFRICAN-AMERICAN STUDIES MAJOR CREDIT REQUIREMENT

Complete 48 semester hours for 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

### Minor in African-American Studies

#### REQUIRED COURSES

Complete the following four courses:

AFR U101	African-American Studies	4 SH
AFR U109	Foundations of Black Culture 1	4 SH
AFR U185	Gender in the African Diaspora	4 SH
AFR U310 or AFR U700	Applied Research in the African Diaspora Advanced Seminar	4 SH 4 SH

#### ELECTIVE COURSE

Complete one additional course in consultation with your advisor.

#### GPA REQUIREMENT

2.000 GPA required in the minor

**AMERICAN SIGN LANGUAGE–ENGLISH INTERPRETING****www.asl.neu.edu**DENNIS R. COKELY, PHD  
*Professor and Director***ASSOCIATE PROFESSOR**

Richard Peterson, PhD

**Affiliated Faculty from the World Languages Center****ASSOCIATE ACADEMIC SPECIALISTS**Alma L. Bournazian, MS  
James Lipsky, MA**ASSISTANT ACADEMIC SPECIALISTS**Elizabeth Lucey, MA  
Paul Schreyer, MEd

American Sign Language (ASL) is a language used by large numbers of people in the United States and Canada. By mastering ASL, students gain both access to the culture of Deaf America and insights into features of spoken language that are often taken for granted. Learning a modally different language gives students a new sense of the power of language and an appreciation of how it shapes their world. In this way, the mastery of ASL sharpens critical-thinking skills.

The program provides a firm foundation in language, linguistics, culture, and interpreting, plus a broad-based liberal arts education. American Sign Language courses are integral to degrees in human services with a specialization in Deaf studies and in linguistics with a focus on ASL.

Opportunities for ASL–English interpreters continue to increase, due to federal and state legislation. Graduates work as interpreters in such diverse areas as higher education, business, social service agencies, advanced technology, and theatre.

Northeastern's National and Regional Interpreter Education Centers seek to enhance the skills of interpreters currently working in the field and to increase the supply of competent interpreters throughout the United States. See pages 259–262 for course descriptions.

**BS in American Sign Language****NU CORE REQUIREMENTS**

See page 24 for requirement list.

**AMERICAN SIGN LANGUAGE MAJOR REQUIREMENTS***American Sign Language*

Complete the following four courses:

ASL U101	Elementary ASL 1	4 SH
ASL U102	Elementary ASL 2	4 SH
ASL U301	Intermediate ASL 1	4 SH
ASL U302	Intermediate ASL 2	4 SH

**Social and Cultural World**

Complete the following two courses:

ASL U150	Deaf People in Society	4 SH
ASL U350	Deaf History and Culture	4 SH

**Linguistics**

Complete the following two courses:

ASL U460	ASL Linguistics	4 SH
LIN U150	Introduction to Language and Linguistics	4 SH

**Performance Interpreting**

Complete the following course:

ASL U580	Performance Interpreting—Interpreting for the Theatre	4 SH
----------	---	------

**Interpreting**

Complete the following five courses:

ASL U510	Interpreting Inquiry Texts	4 SH
ASL U515	Interpreting Narrative Texts	4 SH
ASL U550	The Interpreting Profession	2 SH
ASL U610	Interpreting Expository Texts	4 SH
ASL U615	Interpreting Persuasive Texts	4 SH

**Interpreting Practicum**

Complete the following practicum:

ASL U950	Interpreting Practicum	4 SH
----------	------------------------	------

**Ethics**

Complete the following two courses:

ASL U650	Ethical Decision Making	4 SH
ASL U651	Ethical Fieldwork	2 SH

**Research Capstone**

Complete the following capstone course:

ASL U960	Interpreting Research Practicum	4 SH
----------	---------------------------------	------

**GPA REQUIREMENT**Minimum 2.750 GPA required in all ASL courses  
Minimum 2.500 overall GPA required**AMERICAN SIGN LANGUAGE CREDIT REQUIREMENT**

Complete 68 semester hours in the major.

**GENERAL ELECTIVES**

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

**COOPERATIVE EDUCATION**

If elected

**UNIVERSITY-WIDE REQUIREMENTS**128 total semester hours required  
Transition students are required to complete 132 total semester hours.  
Minimum 2.000 GPA required**BS in American Sign Language and Human Services****NU CORE REQUIREMENTS**

See page 24 for requirement list.

## AMERICAN SIGN LANGUAGE AND HUMAN SERVICES DUAL-MAJOR REQUIREMENTS

### *American Sign Language*

Complete the following four courses:

ASL U101	Elementary ASL 1	4 SH
ASL U102	Elementary ASL 2	4 SH
ASL U301	Intermediate ASL 1	4 SH
ASL U302	Intermediate ASL 2	4 SH

### *Social and Cultural World*

Complete the following two courses:

ASL U150	Deaf People in Society	4 SH
ASL U350	Deaf History and Culture	4 SH

### *Linguistics*

Complete the following two courses:

ASL U460	ASL Linguistics	4 SH
LIN U150	Introduction to Language and Linguistics	4 SH

### *Performance Interpreting*

Complete the following course:

ASL U580	Performance Interpreting—Interpreting for the Theatre	4 SH
----------	---	------

### *Interpreting*

Complete the following course:

ASL U510	Interpreting Inquiry Texts	4 SH
----------	----------------------------	------

### *Human Services*

Complete the following eight courses:

HS U101	Human Services Professions	4 SH
HS U300	Counseling in Human Services	4 SH
HS U700	Senior Seminar in Human Services	4 SH
PSY U101	Foundations of Psychology	4 SH
SOC U101	Introduction to Sociology	4 SH
SOC U324	Human Services Research and Evaluation	4 SH
SOC U401	Social Policy and Intervention	4 SH
SOC U440	Sociology of Human Service Organizations	4 SH

### *Integrative Course Work*

Complete the two integrative courses below:

ASL U960	Interpreting Research Practicum	4 SH
HS U940	Human Services Internship	6 SH

## AMERICAN SIGN LANGUAGE AND HUMAN SERVICES DUAL-MAJOR GPA REQUIREMENT

Minimum 2.750 GPA required in all ASL courses

Minimum 2.500 overall GPA required

## AMERICAN SIGN LANGUAGE AND HUMAN SERVICES DUAL-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 American Sign Language and Psychology

### NU CORE REQUIREMENTS

See page 24 for requirement list.

## AMERICAN SIGN LANGUAGE AND PSYCHOLOGY DUAL-MAJOR REQUIREMENTS

### *American Sign Language*

Complete the following four courses:

ASL U101	Elementary ASL 1	4 SH
ASL U102	Elementary ASL 2	4 SH
ASL U301	Intermediate ASL 1	4 SH
ASL U302	Intermediate ASL 2	4 SH

### *Social and Cultural World*

Complete the following two courses:

ASL U150	Deaf People in Society	4 SH
ASL U350	Deaf History and Culture	4 SH

### *Linguistics*

Complete the following two courses:

ASL U460	ASL Linguistics	4 SH
LIN U150	Introduction to Language and Linguistics	4 SH

### *Performance Interpreting*

Complete the following course:

ASL U580	Performance Interpreting—Interpreting for the Theatre	4 SH
----------	---	------

### *Interpreting*

Complete the following course:

ASL U510	Interpreting Inquiry Texts	4 SH
----------	----------------------------	------

### *Psychology*

Complete the following four courses:

PSY U101	Foundations of Psychology	4 SH
PSY U320	Statistics in Psychological Research	4 SH
PSY U464	Psychology of Language	4 SH
or PSY U466	Cognition	4 SH
PSY U524	Cognitive Development	4 SH

### *Psychology Lab or Directed Study*

Complete one additional psychology lab or one psychology directed study:

#### LAB

PSY U600	Research Design in Psychology	4 SH
PSY U602	Experiments in Learning and Motivation	4 SH
PSY U604	Laboratory in Learning and Motivation	4 SH
PSY U606	Laboratory in Psychobiology	4 SH
PSY U608	Laboratory in Animal Behavior Research	4 SH
PSY U610	Laboratory in Psycholinguistics	4 SH
PSY U612	Laboratory in Cognition	4 SH
PSY U614	Laboratory in Social Psychology	4 SH
PSY U616	Laboratory in Personality	4 SH
PSY U618	Laboratory in Community Psychology	4 SH

PSY U620	Laboratory in Industrial/Organizational Psychology	4 SH
PSY U622	Laboratory in Sensation and Perception	4 SH
DIRECTED STUDY		
PSY U924	Directed Study	4 SH
PSY U951	Experiential Education Directed Study	4 SH

**Personal/Social Bases of Behavior (Area A)**

Complete two courses from the following list:

PSY U400	Personality	4 SH
PSY U402	Social Psychology	4 SH
PSY U404	Developmental Psychology	4 SH
PSY U406	Abnormal Psychology	4 SH

**Biological/Cognitive Bases of Behavior (Area B)**

Complete one course from the following list:

PSY U450	Learning and Motivation	4 SH
PSY U452	Sensation and Perception	4 SH
PSY U458	Psychobiology	4 SH
PSY U464	Psychology of Language	4 SH
or PSY U466	Cognition	4 SH

**Integrative Course Work**

Complete the two integrative courses below:

ASL U960	Interpreting Research Practicum	4 SH
PSY U658	Seminar in Psycholinguistics	4 SH

**AMERICAN SIGN LANGUAGE AND PSYCHOLOGY DUAL-MAJOR GPA REQUIREMENT**

Minimum 2.750 GPA required in all ASL courses

Minimum 2.500 overall GPA required

**AMERICAN SIGN LANGUAGE AND PSYCHOLOGY 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

**BS in American Sign Language and Theatre****NU CORE REQUIREMENTS**

See page 24 for requirement list.

**AMERICAN SIGN LANGUAGE AND THEATRE DUAL-MAJOR REQUIREMENTS****American Sign Language**

Complete the following four courses:

ASL U101	Elementary ASL 1	4 SH
ASL U102	Elementary ASL 2	4 SH
ASL U301	Intermediate ASL 1	4 SH
ASL U302	Intermediate ASL 2	4 SH

**Social and Cultural World**

Complete the following two courses:

ASL U150	Deaf People in Society	4 SH
ASL U350	Deaf History and Culture	4 SH

**Linguistics**

Complete the following two courses:

ASL U460	ASL Linguistics	4 SH
LIN U150	Introduction to Language and Linguistics	4 SH

**Performance Interpreting**

Complete the following course:

ASL U580	Performance Interpreting—Interpreting for the Theatre	4 SH
----------	---	------

**Interpreting**

Complete the following course:

ASL U510	Interpreting Inquiry Texts	4 SH
----------	----------------------------	------

**Theatre**

Complete the following eleven courses. A minimum grade of C is required for all theatre courses:

THE U101	Art of the Theatre	4 SH
THE U120	Acting 1	4 SH
THE U131	Technical Theatre 1	4 SH
THE U250	Voice and Movement for Theatre	4 SH
THE U270	Theatrical Design	4 SH
THE U300	Theatre History	4 SH
THE U325	Script Analysis for the Stage	4 SH
THE U500	Dramatic Theory/Criticism	4 SH
THE U550	Concepts of Directing	4 SH
THE U701	Rehearsal and Performance	4 SH
THE U901	Theatre Practicum 1	1 SH

**Integrative Course Work**

Complete the two integrative courses below:

ASL U960	Interpreting Research Practicum	4 SH
THE U902	Theatre Practicum 2	1 SH

**AMERICAN SIGN LANGUAGE AND THEATRE DUAL-MAJOR GPA REQUIREMENT**

Minimum 2.750 GPA required in all ASL courses

Minimum 2.500 overall GPA required

**AMERICAN SIGN LANGUAGE AND THEATRE DUAL-MAJOR CREDIT/GRADE REQUIREMENT**

Complete 86 semester hours in the major. A minimum grade of C is required for all theatre courses.

**GENERAL ELECTIVES**

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

**COOPERATIVE EDUCATION**

If elected

**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

## ARCHITECTURE

[www.architecture.neu.edu](http://www.architecture.neu.edu)

GEORGE H. THRUSH, MARCH  
*Associate Professor and Chair*

**MATTHEWS DISTINGUISHED UNIVERSITY PROFESSOR**  
Mardges Bacon, PhD

**PROFESSOR**  
Elizabeth C. Cromley, PhD

**ASSOCIATE PROFESSOR**  
Peter H. Wiederspahn, MArch

**ASSISTANT PROFESSORS**  
Timothy Love, MArch  
Keil Moe, MArch  
Mo Zell, MArch

**LECTURER**  
Christopher Grimley, MArch

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

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

With the effective synthesis of the art of building with urban issues, Northeastern’s program in architecture is becoming a leader in identifying opportunities for civic representation, urban development, and neighborhood design. Northeastern’s students are in demand in area offices because of their combination of professional competence and fluency in urban architectural issues. There are opportunities for interdisciplinary cooperation in urban-oriented research and creative work in areas such as GIS mapping, urban economics and development, new forms of spatial and visual communication, and public policy. See pages 252–254 for course descriptions.

## Transferring to the Major

### Internal Transfers

A minimum GPA of 3.200 is necessary to transfer into architecture. In addition, students must take the following four freshman architecture courses

ARC U111	History of World Architecture 1	4 SH
ARC U112	History of World Architecture 2	4 SH
ARC U256	Manual Representation	4 SH
ARC U257	Digital Representation	4 SH

in the appropriate order and receive a B– or better to proceed as a sophomore. Failure to take these classes will result in the student being considered a freshman within the architecture program (the student may be a sophomore in terms of the number of credits, but they will still have the full five-year architecture curriculum to complete).

### External Transfers

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

There is no portfolio requirement for freshman applicants.

## Academic Progression Standards

A minimum GPA of 2.500 is required to remain in the major. To graduate a student must have a 2.500 GPA in architecture.

Students below these averages will not be allowed to continue in the major.

## BS in Architecture

### NU CORE REQUIREMENTS

See page 24 for requirement list.

### ARCHITECTURE MAJOR REQUIREMENTS

#### Breadth Courses

#### CALCULUS

Complete the following course:

MTH U141	Calculus 1	4 SH
----------	------------	------

**PHYSICS**

Complete the following course:

PHY U141 General Physics 4 SH

**Architecture Requirements****FOUNDATION SKILLS**

Complete the following four courses:

ARC U111 History of World Architecture 1 4 SH

ARC U112 History of World Architecture 2 4 SH

ARC U256 Manual Representation 4 SH

ARC U257 Digital Representation 4 SH

**HISTORY/THEORY**

Complete the following three required courses, and complete an architecture course related to history or theory:

ARC U325 Nineteenth-Century Architecture and Urbanism 4 SH

ARC U326 Twentieth-Century Architecture and Urbanism 4 SH

ARC U329 American Houses and Housing 4 SH

**TECHNOLOGY**

Complete the following four courses:

ARC U356 Structures 1: Statics 4 SH

ARC U357 Structures 2: Tectonics 4 SH

ARC U555 Environmental Systems 4 SH

ARC U656 Integrated Building Systems 4 SH

**STUDIO DESIGN**

Complete the following six courses:

ARC U310 Studio 1: Site, Type, Composition 6 SH

ARC U311 Studio 2: Pattern and Urban Design 6 SH

ARC U410 Studio 3: Building beyond the City 6 SH

ARC U413 (pending approval)

ARC U510 Studio 4: Housing and Aggregation 6 SH

ARC U511 Studio 5: Tectonics 6 SH

**ARCHITECTURE SEMINAR**

Complete the following course:

ARC U530 Architecture Seminar 4 SH

**EXPERIENTIAL EDUCATION**

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

ARC U510 Studio 4: Housing and Aggregation 6 SH

**MAJOR GPA REQUIREMENT**

Minimum 2.500 GPA required.

**ARCHITECTURE MAJOR CREDIT REQUIREMENT**

Complete 96 semester hours in the major.

**GENERAL ELECTIVES**

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

**COOPERATIVE EDUCATION****UNIVERSITY-WIDE REQUIREMENTS**

145 total semester hours required

Minimum 2.000 GPA required

**Minor in Architectural History****REQUIRED COURSES**

Complete the following four courses:

ARC U111 History of World Architecture 1 4 SH

ARC U112 History of World Architecture 2 4 SH

ARC U325 Nineteenth-Century Architecture and Urbanism 4 SH

ARC U326 Twentieth-Century Architecture and Urbanism 4 SH

**GPA REQUIREMENT**

2.000 GPA required in the minor

**ART + DESIGN**

[www.art.neu.edu](http://www.art.neu.edu)

EDWIN C. ANDREWS, MFA

*Associate Professor and Interim Chair*

**PROFESSORS**

Mira Cantor, MFA

T. Neal Rantoul, MFA

**ASSOCIATE PROFESSORS**

Julie M. Curtis, MFA

Thomas Starr, MFA

**ASSISTANT PROFESSORS**

Ann McDonald, MFA

Maria Isabel Meirelles, MFA

Ann Steuernagel, MFA

**LECTURERS**

Sophia Ainslie, MFA

John Kane, BA

Lindsay Leard, PhD

Andrea Raynor, MFA

Matthew Rich, MFA

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

## BA in Art

The art major at Northeastern University is a general studio-based program that balances art history with studio art projects and classes in drawing and painting. It focuses on a well-rounded liberal arts education with a breadth of general studies in the arts and humanities, the natural and physical sciences, and the social sciences. Art majors have the option to take introductory courses in digital art and graphic design. A selection of studio courses can also be taken at the nearby School of the Museum of Fine Arts.

## BFA in Digital Arts

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

## BFA in Graphic Design

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

## Minors and Additional Majors

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

- Multimedia studies major: Specific requirements and electives are listed and described on pages 129–132.
- Minors in art, art history, digital arts, and graphic design are also available.
- BFA and MFA degrees in studio art are available in collaboration with the School of the Museum of Fine Arts.

## Admission Requirements for Art + Design

There are specific admissions criteria for students entering majors in the Art + Design department. See “Admission Requirements for Art + Design” in the Admission section of this catalog, pages 4 and 5.

## Transferring to the Major

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

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

## Academic Progression Standards

Same as college standards.

## BA in Art

*Note:* “TBD” stands for “to be determined.” Courses so marked are pending approval.

### NU CORE REQUIREMENTS

See page 24 for requirement list.

### COLLEGE REQUIREMENTS FOR BA

See page 38 for requirement list.

### ART + DESIGN CORE

#### *Art + Design at Northeastern*

Complete the following course:

ART U100	Art + Design at Northeastern	1 SH
----------	------------------------------	------

#### *Art + Design Foundations*

Complete the following seven courses:

ART U121	Drawing 2 Foundation	4 SH
ART U124	Basic Drawing	4 SH
ART U130	Visual Studies Foundation 1	4 SH
ART U131	Visual Studies Foundation 2	4 SH
ART U350	Color in Multiple Media	4 SH
or ART U102	Color 1 Foundation	1 SH
and TBD	Color 2 Foundation	1 SH
TBD	4D Foundation	4 SH
TBD	Ideation Foundation	4 SH

#### *Tools*

Complete the following four courses:

ART U123	2D Tools: Imaging Basics	1 SH
ART U125	3D Tools: Form Basics	1 SH
TBD	4D Tools: Motion Basics	1 SH
TBD	4D Tools: Interactive Basics	1 SH

#### *Art + Design History*

Complete the following three courses:

ART U101	History of Art before 1400	4 SH
ART U103	History of Art since 1400	4 SH
ART U240	History of Graphic Design	4 SH

### ADDITIONAL ART REQUIREMENTS

#### *Required Courses*

Complete the following three courses:

ART U313	Twentieth-Century Art	4 SH
TBD	Contemporary Directions in Art	4 SH
ART U685	Interarts	4 SH

**Art Electives**

Complete two courses from the following list:

**ART**

ART U127	Basic Painting	4 SH
ART U310	Nineteenth-Century Art	4 SH
ART U320	American Art	4 SH
ART U354	Figure Drawing	4 SH
ART U468	Art in Ireland	4 SH
ART U469	Venetian Art History	4 SH
ART U500	Arts of the African Diaspora	4 SH
ART U514	Topics in Contemporary Art	4 SH
TBD	Drawing in Mixed Media	4 SH

**DIGITAL ARTS**

ART U275	Animation Studio 1	4 SH
ART U360	Photography 2	4 SH
ART U375	Animation Studio 2	4 SH
ART U381	Video Project	4 SH
ART U385	Still Digital Imaging	4 SH
ART U475	Animation Studio 3	4 SH
ART U514	Topics in Contemporary Art	4 SH
ART U601	Alternative Analog and Digital Processes	4 SH
TBD	Studio Photography	4 SH
TBD	Video 2	4 SH
TBD	Video 3	4 SH

**ART + DESIGN GPA REQUIREMENT**

Minimum 2.500 GPA required in art + design courses

**GENERAL ELECTIVES**

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

**COOPERATIVE EDUCATION**

If elected

**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

**BFA in Digital Arts**

*Note:* "TBD" stands for "to be determined." Courses so marked are pending approval.

**NU CORE REQUIREMENTS**

See page 24 for requirement list.

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

Complete the following course:

ART U100	Art + Design at Northeastern	1 SH
----------	------------------------------	------

**Art + Design Foundations**

Complete the following seven courses:

ART U121	Drawing 2 Foundation	4 SH
ART U124	Basic Drawing	4 SH
ART U130	Visual Studies Foundation 1	4 SH
ART U131	Visual Studies Foundation 2	4 SH

ART U350	Color in Multiple Media	4 SH
or ART U102	Color 1 Foundation	1 SH
and TBD	Color 2 Foundation	1 SH
TBD	4D Foundation	4 SH
TBD	Ideation Foundation	4 SH

**Tools**

Complete the following four courses:

ART U123	2D Tools: Imaging Basics	1 SH
ART U125	3D Tools: Form Basics	1 SH
TBD	4D Tools: Motion Basics	1 SH
TBD	4D Tools: Interactive Basics	1 SH

**Art + Design History**

Complete the following three courses:

ART U101	History of Art before 1400	4 SH
ART U103	History of Art since 1400	4 SH
ART U240	History of Graphic Design	4 SH

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

Complete the following five courses:

ART U160	Photography 1	4 SH
ART U175	Animation Basics	4 SH
ART U180	Video Basics	4 SH
ART U330	History of Photography	4 SH
TBD	Contemporary Directions in Digital Arts	4 SH

**Digital Arts Elective**

Complete four courses from the digital arts or art lists:

**DIGITAL ARTS**

ART U275	Animation Studio 1	4 SH
ART U360	Photography 2	4 SH
ART U375	Animation Studio 2	4 SH
ART U381	Video Project	4 SH
ART U385	Still Digital Imaging	4 SH
ART U475	Animation Studio 3	4 SH
ART U514	Topics in Contemporary Art	4 SH
ART U601	Alternative Analog and Digital Processes	4 SH
TBD	Studio Photography	4 SH
TBD	Video 2	4 SH
TBD	Video 3	4 SH

**ART**

ART U127	Basic Painting	4 SH
ART U310	Nineteenth-Century Art	4 SH
ART U320	American Art	4 SH
ART U354	Figure Drawing	4 SH
ART U468	Art in Ireland	4 SH
ART U469	Venetian Art History	4 SH
ART U500	Arts of the African Diaspora	4 SH
ART U514	Topics in Contemporary Art	4 SH
TBD	Drawing in Mixed Media	4 SH

**Digital Arts Tools Elective**

Complete one of the following courses:

TBD	2D Tools: Imaging Advanced	1 SH
TBD	3D Tools: Form Advanced	1 SH
TBD	4D Tools: Motion Advanced	1 SH

**Design Elective**

Complete one course from the following list:

ART U333	Design 1 and Drawing	4 SH
ART U334	Typography 1	4 SH
ART U635	Time-Based Design	4 SH
ART U644	Interactive Design	4 SH

**Digital Arts Degree Project**

Complete one of the following courses:

ART U575	Animation Studio 4	4 SH
or ART U710	Senior Project in Photography 1	6 SH

**ART + DESIGN GPA REQUIREMENT**

Minimum 2.500 GPA required in art + design courses

**GENERAL ELECTIVES**

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

**COOPERATIVE EDUCATION**

If elected

**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

**BFA in Graphic Design**

Note: "TBD" stands for "to be determined." Courses so marked are pending approval.

**NU CORE REQUIREMENTS**

See page 24 for requirement list.

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

Complete the following course:

ART U100	Art + Design at Northeastern	1 SH
----------	------------------------------	------

**Art + Design Foundations**

Complete the following seven courses:

ART U121	Drawing 2 Foundation	4 SH
ART U124	Basic Drawing	4 SH
ART U130	Visual Studies Foundation 1	4 SH
ART U131	Visual Studies Foundation 2	4 SH
ART U350	Color in Multiple Media	4 SH
or ART U102	Color 1 Foundation	1 SH
and TBD	Color 2 Foundation	1 SH
TBD	4D Foundation	4 SH
TBD	Ideation Foundation	4 SH

**Tools**

Complete the following four courses:

ART U123	2D Tools: Imaging Basics	1 SH
ART U125	3D Tools: Form Basics	1 SH
TBD	4D Tools: Motion Basics	1 SH
TBD	4D Tools: Interactive Basics	1 SH

**Art + Design History**

Complete the following three courses:

ART U101	History of Art before 1400	4 SH
ART U103	History of Art since 1400	4 SH
ART U240	History of Graphic Design	4 SH

**GRAPHIC DESIGN REQUIREMENTS****Design**

Complete the following eight courses:

TBD	2D Tools: Composition Basics	1 SH
ART U313	Twentieth-Century Art	4 SH
ART U333	Design 1 and Drawing	4 SH
ART U334	Typography 1	4 SH
ART U344	Typography 2	4 SH
ART U443	Graphic Design 2	4 SH
ART U691	Information Architecture	4 SH
TBD	Contemporary Directions in Graphic Design	4 SH

**4D Design Electives**

Complete two courses from the following list:

ART U635	Time-Based Design	4 SH
ART U644	Interactive Design	4 SH
TBD	Interactive Information Design	4 SH
TBD	Environmental Design	4 SH

**Design Elective**

Complete one typography course, one topics course, or one additional 4D elective not previously taken:

**TYPOGRAPHY**

TBD	Type 3	4 SH
-----	--------	------

**TOPICS**

ART U514	Topics in Contemporary Art	4 SH
----------	----------------------------	------

**4D DESIGN**

ART U635	Time-Based Design	4 SH
ART U644	Interactive Design	4 SH
TBD	Interactive Information Design	4 SH
TBD	Environmental Design	4 SH

**Art + Design Elective**

Complete one course from the Art + Design department

or from the following designated list:

ART U160	Photography 1	4 SH
ART U175	Animation Basics	4 SH
ART U180	Video Basics	4 SH

**Graphic Design Degree Project**

Complete the following course:

ART U630	Degree Project in Design	4 SH
----------	--------------------------	------

**ART + DESIGN GPA REQUIREMENT**

Minimum 2.500 GPA required in art + design courses

**GENERAL ELECTIVES**

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

**COOPERATIVE EDUCATION**

If elected

**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required

**BFA in Studio Art**

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

**BS in Computer Science and Digital Arts**

See page 209.

**BS in Multimedia Studies and Digital Arts**

See page 129.

**BS in Multimedia Studies and Graphic Design**

See page 130.

**Minor in Art**

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

*Note:* "TBD" stands for "to be determined." Courses so marked are pending approval.

**REQUIRED COURSES**

Complete the following two courses:

ART U123	2D Tools: Imaging Basics	1 SH
ART U130	Visual Studies Foundation 1	4 SH

**ART + DESIGN ELECTIVES**

Complete 16 semester hours of courses from the following list:

ART U101	History of Art before 1400	4 SH
ART U103	History of Art since 1400	4 SH
ART U121	Drawing 2 Foundation	4 SH
ART U124	Basic Drawing	4 SH
ART U127	Basic Painting	4 SH
ART U131	Visual Studies Foundation 2	4 SH
ART U160	Photography 1	4 SH
ART U175	Animation Basics	4 SH
ART U180	Video Basics	4 SH
ART U310	Nineteenth-Century Art	4 SH
ART U320	American Art	4 SH
ART U350	Color in Multiple Media	4 SH
ART U354	Figure Drawing	4 SH
ART U469	Venetian Art History	4 SH
ART U500	Arts of the African Diaspora	4 SH
or ART U102	Color 1 Foundation	1 SH
and TBD	Color 2 Foundation	1 SH
TBD	4D Tools: Motion Basics	1 SH
TBD	4D Tools: Interactive Basics	1 SH
TBD	4D Foundation	4 SH
TBD	Ideation Foundation	4 SH

**GPA REQUIREMENT**

3.000 GPA required in the minor

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

Students with majors outside the Department of Art + Design should complete five art history electives as described below.

**Art History Electives**

Complete five courses from the following list.

*Note:* Architectural history courses may also be used upon approval of the chair of the Art + Design department:

ART U101	History of Art before 1400	4 SH
ART U103	History of Art since 1400	4 SH
ART U240	History of Graphic Design	4 SH
ART U310	Nineteenth-Century Art	4 SH
ART U313	Twentieth-Century Art	4 SH
ART U320	American Art	4 SH
ART U330	History of Photography	4 SH
ART U469	Venetian Art History	4 SH
ART U500	Arts of the African Diaspora	4 SH

**REQUIREMENTS FOR ART + DESIGN MAJORS**

Students with majors in the Department of Art + Design should complete four art history electives as described below.

**Art History Electives**

Augment the art history courses within your major by completing four electives from the following list. *Note:* Architectural history courses may also be used upon approval of the chair of the Art + Design department:

ART U310	Nineteenth-Century Art	4 SH
ART U313	Twentieth-Century Art	4 SH
ART U320	American Art	4 SH
ART U330	History of Photography	4 SH
ART U469	Venetian Art History	4 SH
ART U500	Arts of the African Diaspora	4 SH

**GPA REQUIREMENT**

3.000 GPA required in the minor

**Minor in Digital Arts**

*Note:* "TBD" stands for "to be determined." Courses so marked are pending approval.

**REQUIREMENTS FOR NON-ART + DESIGN MAJORS**

Students with majors outside the Department of Art + Design should complete the five required courses and one elective listed below.

**Required Courses**

Complete the following five courses:

ART U123	2D Tools: Imaging Basics	1 SH
ART U130	Visual Studies Foundation 1	4 SH
TBD	4D Tools: Motion Basics	1 SH
TBD	4D Foundation	4 SH
ART U350	Color in Multiple Media	4 SH
or ART U102	Color 1 Foundation	1 SH
and TBD	Color 2 Foundation	1 SH

**Elective**

Complete one of the following courses:

ART U160	Photography 1	4 SH
ART U175	Animation Basics	4 SH
ART U180	Video Basics	4 SH
ART U275	Animation Studio 1	4 SH
ART U360	Photography 2	4 SH
ART U381	Video Project	4 SH

**REQUIREMENTS FOR GRAPHIC DESIGN MAJORS**

Graphics design majors should complete the one required course and 16 semester hours of electives listed below.

**Required Course**

Complete the following course:

ART U330	History of Photography	4 SH
----------	------------------------	------

**Electives**

Complete 16 semester hours of electives from the following list, including at least one basics course:

**BASICS**

ART U160	Photography 1	4 SH
ART U175	Animation Basics	4 SH
ART U180	Video Basics	4 SH

**ELECTIVES**

ART U275	Animation Studio 1	4 SH
ART U360	Photography 2	4 SH
ART U375	Animation Studio 2	4 SH
ART U381	Video Project	4 SH
ART U385	Still Digital Imaging	4 SH
ART U475	Animation Studio 3	4 SH
ART U601	Alternative Analog and Digital Processes	4 SH
TBD	Studio Photography	4 SH
TBD	Video 2	4 SH
TBD	Video 3	4 SH

**GPA REQUIREMENT**

3.000 GPA required in the minor

**Minor in Graphic Design**

Note: "TBD" stands for "to be determined." Courses so marked are pending approval.

**REQUIREMENTS FOR NON-ART + DESIGN MAJORS**

Students with majors outside the Department of Art + Design should complete the seven required courses listed below.

**Required Courses**

Complete the following seven courses:

ART U123	2D Tools: Imaging Basics	1 SH
ART U130	Visual Studies Foundation 1	4 SH
TBD	4D Tools: Motion Basics	1 SH
TBD	4D Foundation	4 SH
ART U333	Design 1 and Drawing	4 SH
ART U334	Typography 1	4 SH
ART U350	Color in Multiple Media	4 SH
or ART U102	Color 1 Foundation	1 SH
and TBD	Color 2 Foundation	1 SH

**REQUIREMENTS FOR ART MAJORS AND DIGITAL ARTS MAJORS**

Art majors and digital arts majors should complete the three required courses and two electives listed below.

**Required Courses**

Complete the following three courses:

ART U313	Twentieth-Century Art	4 SH
ART U333	Design 1 and Drawing	4 SH
ART U334	Typography 1	4 SH

**Electives**

Complete two courses from the following list:

ART U344	Typography 2	4 SH
ART U635	Time-Based Design	4 SH
ART U644	Interactive Design	4 SH

**GPA REQUIREMENT**

3.000 GPA required in the minor

**BEHAVIORAL NEUROSCIENCE**

RICHARD H. MELLONI JR., PhD

*Associate Professor, Psychology, and Program Director*

**PROGRAM ADVISORY BOARD**

Joseph L. Ayers, PhD, *Biology*

Frederick C. Davis, PhD, *Biology*

Michelle L. Israel, MS, *Cooperative Education*

Denise Jackson, PhD, *Psychology*

Jay P. McLaughlin, PhD, *Psychology*

Donald M. O'Malley, PhD, *Biology*

James R. Stellar, PhD, *College of Arts and Sciences Dean's Office*

Armen Stepanyants, PhD, *Physics*

The behavioral neuroscience major is an interdepartmental program for undergraduates, with a program director and advisory board made up of the neuroscience faculty of the College of Arts and Sciences. The field of neuroscience focuses on brain mechanisms and how they give rise to behavioral functions in humans and animals. Behavioral neuroscience combines the disciplines of biology and psychology with a strong background in basic physical sciences and mathematics. The goal is to achieve an understanding of anatomy and physiology of nerve cells, chemical transmission, simple neural circuits, and fundamental biological processes such as inheritance and development, and then to see how these biological events give rise to normal and pathological behavior. The primary objective of the neuroscience major is to draw together faculty and students who are interested in this interdisciplinary topic and to provide undergraduates with an education in the field. This major serves as ideal preparation for advancement to graduate programs in the field of neuroscience or to biology or psychology programs with an emphasis in neurobiology. This major also serves as preparation for admission to medical school, although there are additional science courses that

should be taken as electives. The curriculum also prepares students to find employment in clinical settings or in allied fields such as the biotech industry.

*Note:* Due to overlap in course content, double majoring in behavioral neuroscience and psychology or behavioral neuroscience and biology is not permitted.

### Transferring to the Major

Students must have a minimum cumulative GPA of 2.000 and completion of any three of the following five courses:

BIO U101	Principles of Biology 1	4 SH
with BIO U102	Lab for BIO U101	1 SH
or BIO U111	General Biology 1	4 SH
with BIO U112	Lab for BIO U111	1 SH
BIO U103	Principles of Biology 2	4 SH
with BIO U104	Lab for BIO U103	1 SH
or BIO U113	General Biology 2	4 SH
with BIO U114	Lab for BIO U113	1 SH
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
PSY U101	Foundations of Psychology	4 SH

with a minimum GPA of 2.000 for these courses. Acceptance into the major will be based on students meeting the above criteria and availability of space in the program.

### Academic Progression Standards

Same as college standards.

For further information, contact Dr. Richard Melloni, preferably at [melloni@research.neu.edu](mailto:melloni@research.neu.edu). Phone messages may be left at 617.373.3043.

### BS in Behavioral Neuroscience

#### NU CORE REQUIREMENTS

See page 24 for requirement list.

#### BEHAVIORAL NEUROSCIENCE MAJOR REQUIREMENTS

##### *Survey Courses—Level 1: Introductory*

##### PSYCHOLOGY

Complete the following course:

PSY U101	Foundations of Psychology	4 SH
----------	---------------------------	------

##### MATHEMATICS

Complete the following two courses:

MTH U141	Calculus 1	4 SH
or MTH U151	Calculus and Differential Equations for Biology 1	4 SH
MTH U142	Calculus 2	4 SH
or MTH U152	Calculus and Differential Equations for Biology 2	4 SH

##### SCIENCE

Complete the following four courses with corresponding labs:

##### BIOLOGY 1

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

##### BIOLOGY 2

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

##### CHEMISTRY 1

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

##### CHEMISTRY 2

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

##### *Survey Courses—Level 2: Intermediate*

##### PSYCHOLOGY

Complete the following two courses:

PSY U320	Statistics in Psychological Research	4 SH
PSY U458	Psychobiology	4 SH
or BIO U405	Neurobiology	4 SH

##### SCIENCE

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
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

##### *Advanced Courses—Psychology*

##### ADVANCED PSYCHOLOGY ELECTIVES (AREA A)

Complete one course from the following list:

PSY U202	Biological Basis of Mental Illness	4 SH
PSY U358	Behavior Therapies	4 SH
PSY U400	Personality	4 SH
PSY U402	Social Psychology	4 SH
PSY U404	Developmental Psychology	4 SH
PSY U406	Abnormal Psychology	4 SH

##### ADVANCED PSYCHOLOGY ELECTIVES (AREA B)

Complete one course from the following list:

PSY U450	Learning and Motivation	4 SH
PSY U452	Sensation and Perception	4 SH
PSY U464	Psychology of Language	4 SH
PSY U466	Cognition	4 SH
PSY U510	Psychopharmacology	4 SH
PSY U512	Neuropsychology	4 SH
PSY U520	Language and the Brain	4 SH

**Advanced Courses—Biology****ADVANCED BIOLOGY ELECTIVES (AREA A)**

Complete one course with corresponding lab from the following list:

BIO U319	Regulatory Cell Biology	4 SH
with BIO U320	Lab for BIO U319	1 SH
BIO U407	Molecular Cell Biology	4 SH
BIO U551	Principles of Animal Physiology	4 SH
with BIO U552	Lab for BIO U551	1 SH

**ADVANCED BIOLOGY ELECTIVES (AREA B)**

Complete one course with corresponding lab from the following list:

BIO U403	Animal Behavior	4 SH
BIO U545	Neuroethology	4 SH
with BIO U546	Lab for BIO U545	1 SH
BIO U587	Comparative Neurobiology	4 SH

**ADVANCED BIOLOGY ELECTIVES (AREA C)**

Complete one course with corresponding lab from the following list:

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
BIO U317	Vertebrate Zoology	4 SH
with BIO U318	Lab for BIO U317	1 SH
BIO U323	Biochemistry	4 SH
with BIO U324	Lab for BIO U323	1 SH
BIO U401	Comparative Vertebrate Anatomy	4 SH
with BIO U402	Lab for BIO U401	1 SH
BIO U503	Marine Invertebrate Zoology	4 SH
with BIO U504	Lab for BIO U503	1 SH
BIO U543	Embryonic Stem Cells	4 SH
BIO U547	Sociobiology	4 SH
BIO U549	Microbial Biotechnology	4 SH
BIO U553	Biology of Muscle: Molecules to Movements	4 SH
BIO U565	Mammalogy	4 SH
with BIO U566	Lab for BIO U565	1 SH
BIO U573	Medical Microbiology	4 SH
with BIO U574	Lab for BIO U573	1 SH
BIO U577	Developmental Biology	4 SH
with BIO U578	Lab for BIO U577	1 SH
BIO U581	Biological Imaging	4 SH
BIO U583	Immunology	4 SH
BIO U585	Evolution	4 SH
with BIO U586	Lab for BIO U585	1 SH

*Note:* The following courses require permission prior to registration:

PTH U301	Gross Anatomy	4 SH
with PTH U302	Lab for PTH U301	1 SH
PTH U308	Neuroscience	4 SH

**Specialty Courses****SEMINAR**

Complete one seminar from the following list:

BIO G383	Topics in Biochemistry Cell and Molecular Biology	2 SH
BIO G384	Topics in Integrative Biology	2 SH
BIO U409	Current Topics in Biology	4 SH
PSY U650	Seminar in Clinical Case Study	4 SH
PSY U652	Seminar in Ethics in Psychology	4 SH
PSY U654	Seminar in Behavioral Modification	4 SH
PSY U656	Seminar in Psychobiology	4 SH
PSY U658	Seminar in Psycholinguistics	4 SH
PSY U660	Seminar in Cognition	4 SH
PSY U666	Seminar in Clinical Psychology	4 SH
PSY U668	Seminar in Sensation and Perception	4 SH
PSY U670	Seminar in Research Psychology	4 SH
PSY U672	Seminar in History and Theories of Psychology	4 SH

**LABORATORY COURSE**

Complete one laboratory course from the following list:

BIO U579	Biochemistry/Molecular Biology Experimental Approaches	5 SH
BIO U924	Directed Study	4 SH
BIO U970	Junior/Senior Project 1	4 SH
with BIO U971	Junior/Senior Project 2	4 SH
PSY U602	Experiments in Learning and Motivation	4 SH
PSY U604	Laboratory in Learning and Motivation	4 SH
PSY U606	Laboratory in Psychobiology	4 SH
PSY U608	Laboratory in Animal Behavior Research	4 SH
PSY U610	Laboratory in Psycholinguistics	4 SH
PSY U612	Laboratory in Cognition	4 SH
PSY U622	Laboratory in Sensation and Perception	4 SH
PSY U924	Directed Study	4 SH
PSY U970	Junior/Senior Project 1	4 SH
with PSY U971	Junior/Senior Project 2	4 SH

**BEHAVIORAL NEUROSCIENCE EXPERIENTIAL EDUCATION REQUIREMENT**

Complete one of the following three options:

**Option 1: Practical and Reflective Experience**

Complete a practical experience and a reflective experience:

**PRACTICAL EXPERIENCE**

Complete one research co-op, research internship, research-oriented directed study, or study abroad.

**REFLECTIVE EXPERIENCE**

Complete one of the following capstones, seminars, or directed studies:

BIO U701	Biology Capstone	4 SH
BIO U954	Experiential Education Directed Study	4 SH
PSY U650	Seminar in Clinical Case Study	4 SH
PSY U652	Seminar in Ethics in Psychology	4 SH

PSY U656	Seminar in Psychobiology	4 SH
PSY U934	Independent Study	4 SH
PSY U951	Experiential Education Directed Study	4 SH

**Option 2: Honors Project**

Complete two semesters of a biology or psychology honors project:

BIO U970	Junior/Senior Project 1	4 SH
with BIO U971	Junior/Senior Project 2	4 SH
PSY U970	Junior/Senior Project 1	4 SH
with PSY U971	Junior/Senior Project 2	4 SH

**Option 3: Directed Study**

Complete two semesters of directed study, which includes a final oral presentation or written report:

BIO U924	Directed Study	4 SH
PSY U924	Directed Study	4 SH

**BEHAVIORAL NEUROSCIENCE MAJOR CREDIT REQUIREMENT**

Complete 83 semester hours in the major.

Due to overlap in course content, double majoring in behavioral neuroscience and psychology or behavioral neuroscience and biology is not permitted. Also, there is no minor offered in behavioral neuroscience.

**GENERAL ELECTIVES**

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

**COOPERATIVE EDUCATION**

If elected

**UNIVERSITY-WIDE REQUIREMENTS**

128 total semester hours required

Transition students are required to complete 132 total semester hours.

Minimum 2.000 GPA required