

ARCHITECTURE

www.architecture.neu.edu

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

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

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

creative work in areas such as GIS mapping, urban economics and development, new forms of spatial and visual communication, and public policy. Additionally, Northeastern’s urban focus is applied globally in the semester abroad in Rome in the middler year. There is a minimum 2.500 GPA prerequisite for the Rome program and for continuing in the major at that time.

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 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 42 for requirement list.

ARCHITECTURE MAJOR REQUIREMENTS

Breadth Courses

CALCULUS

Complete the following course:

MTH U141	Calculus 1	4 SH
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PHYSICS

Complete the following course:

PHY U141	General Physics	4 SH
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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	Fundamental Architectural Representation	4 SH
ARC U257	Fundamental Architectural Design	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 five courses:

ARC U356	Structures 1: Statics	4 SH
ARC U357	Structures 2: Tectonics	4 SH
ARC U358	Modeling and Design Communication	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
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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
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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

This minor is not available to architecture majors.

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