

Master of Architecture—Two-Year Program (Boston)

This program offers students who have earned a Bachelor of Science in Architecture from an institution other than Northeastern University to engage in the urban-focused curriculum that is offered at the School of Architecture. Students are awarded a MArch degree, which is NAAB-accredited (<http://www.naab.org>).

Year One

Urban Architecture Studio (ARCH 6115) engages students with a series of design interventions to improve our public realm. Students have the opportunity to learn about timely issues, including decarbonization and adaptive reuse, at the scale of the human, material, building, and urban networks.

Option Studio (ARCH 5115) offers topical content that best aligns with the research and practice expertise of the faculty, which provides students with the latest concepts in architectural design, theory, and research on a consistently updated and rotating basis. Students select their top choices of studio topics and instructors, giving them more flexibility in the areas for which they would like to focus their education. Additionally, students take classes in technology as well as architecture seminars and electives.

Year Two

Integration Studio (ARCH 7120) and Integrated Building Systems (ARCH 7220) encourage students to explore the theories and practices of integrating building systems, their detailing and assembly, to create high-performing, long-lasting, and humane architecture. These courses offer students an opportunity to draw on the full range of their prior architectural education to produce a design that synthesizes specific criteria to build sustainable and culturally valuable environments for generations of human use.

In the final year, students also engage in a two-semester research and design project based on pertinent contemporary topics chosen by the graduate faculty. In the fall semester, students study contemporary research strategies and ethics in architecture, landscape, and urbanism, giving them the opportunity to formulate original approaches to design thinking and research. This research will serve as the basis of the intellectual framework for the individual students' design projects in the spring semester. This final degree project parallels an in-depth professional practice course that analyzes all of the contingencies of successful architectural projects, including architectural offices and their project management strategies, real estate development criteria, and associated project finance.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Core Requirements

Code	Title	Hours
Building and Environment		
ARCH 5210	Environmental Systems	4
ARCH 7220	Integrated Building Systems	4
Studio		
ARCH 5115	Option Studio	6
ARCH 6115	Urban Architecture Studio	6
ARCH 7120	Integration Studio	6
Professional Practice		
ARCH 5430	Introduction to Professional Practice in Architecture	4
ARCH 6440	Case Studies 2	4
Topics and Seminars		
Complete two of the following:		8
ARCH 5310	Design Tactics and Operations	4
ARCH 5330	Theories of Architecture and Urbanism	4
ARCH 6340	Graduate Topics in Architecture	4
Research and Thesis Project		
ARCH 7140	Master's Degree Project	6
ARCH 7430	Topics In Research Methods in Architectural Design	4

Concentrations or Electives Option

A concentration is not required. Students may complete the electives option in lieu of a concentration.

- Data Visualization (p. 2)
- Experience Design (p. 2)

- Extended Realities (p. 2)
- Sustainable Building Systems (p. 2)
- Sustainable Urban Environments (p. 2)
- Urban Analytics (p. 3)
- Urban Studies (p. 3)
- Electives Option (p. 3)

Program Credit/GPA Requirements

60 total semester hours required (64 if a concentration is declared)

Minimum 3.000 GPA required

CONCENTRATION IN DATA VISUALIZATION

Code	Title	Hours
Required Courses		
ARTG 5150 and ARTG 5151	Information Visualization Principles and Practices and Information Design Critique Seminar	4
ARTG 5330	Visualization Technologies 1: Fundamentals	4
Complete one of the following:		4
ARTG 5310	Visual Cognition	
ARTG 6110	Information Design Theory and Critical Thinking	
ARTG 6330	Information Design Mapping Strategies	

CONCENTRATION IN EXPERIENCE DESIGN

Code	Title	Hours
Required Courses		
ARTG 5610	Design Systems	4
ARTG 6310	Design for Behavior and Experience	4
Complete one of the following:		4
ARTG 5600	Experience Design Studio 1: Principles	
ARTG 5620	Notational Systems for Experience	
ARTG 5640	Prototyping for Experience Design	

CONCENTRATION IN EXTENDED REALITIES

Code	Title	Hours
Required Course		
EXRE 5010	Immersive Media: Extended Realities (XR) History, Theory, and Impact	4
Complete two of the following:		8
EXRE 5020	Developing Extended Realities (XR)	
EXRE 5030	Designing Extended Realities (XR)	
GSND 6520	3D Modeling and Asset Creation Principles	

CONCENTRATION IN SUSTAINABLE BUILDING SYSTEMS

Code	Title	Hours
Required Courses		
SBSY 5100	Sustainable Design and Technologies in Construction	4
SBSY 5200	Sustainable Engineering Systems for Buildings	4
Complete one of the following:		4
CIVE 5275	Life Cycle Assessment of Materials, Products, and Infrastructure	
SBSY 5250	Building Performance Simulation	
SBSY 5300	Information Systems for Integrated Project Delivery	

CONCENTRATION IN SUSTAINABLE URBAN ENVIRONMENTS

Code	Title	Hours
Required Course		
SUEN 6340	Topics in Urban Environmental Design	4
Complete two of the following:		8

LPSC 7312	Cities, Sustainability, and Climate Change
SUEN 6210	Implementation and Visualization for Urban Environments 1
SUEN 6220	Implementation and Visualization for Urban Environments 2
SUEN 6310	Cities, Nature, and Design in Contemporary History and Theory
SUEN 7230	Urban Ecologies and Technologies 1
SUEN 7240	Urban Ecologies and Technologies 2
SUEN 7320	Pro-Seminar: Issues in Designed Urban Environments

CONCENTRATION IN URBAN ANALYTICS

Code	Title	Hours
Required Courses		
ARTG 5320	Statistics for Design	4
ARTG 5330	Visualization Technologies 1: Fundamentals	4
ARTG 6330	Information Design Mapping Strategies	4

CONCENTRATION IN URBAN STUDIES

Code	Title	Hours
Required Course		
PPUA 6201	The 21st-Century City: Urban Opportunities and Challenges in a Global Context	4
LPSC 7312	Cities, Sustainability, and Climate Change	4
SUEN 6340	Topics in Urban Environmental Design	4

Any 5000-level or higher PPUA course

ELECTIVES OPTION

Code	Title	Hours
Required Electives		
Complete 8 semester hours of non-ARCH courses.		8

Plan of Study**Sample Plan of Study****ELECTIVES OPTION**

Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 6115		6 ARCH 5115		6 Vacation		Vacation	
ARCH 5210 and ARCH 5211	4	ARCH 5340	4				
ARCH 5330 or 5310	4	Elective 2	4				
Elective 1	4						
	18		14		0		0
Year 2							
Fall	Hours	Spring	Hours				
ARCH 7120		6 ARCH 6440	4				
ARCH 7220	4	ARCH 7140	6				
ARCH 7430	4	ARCH 5330 or 6340	4				
Optional concentration course							
	14		14				

Total Hours: 60