

# Master of Architecture—Two-Year Program

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

Options Studio 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. The Comprehensive Design Studio challenges the students to consider architectural connections at all scales, from the nut and bolt, to the scale of the door or window, to the scale of the whole building and the city. Additionally, students take classes in technology as well as architecture seminars.

## Year Two

In the final year, students engage in a two-semester research and design project based on pertinent contemporary topics chosen by the graduate faculty, or students may propose an independent research and design project. Team research is conducted and compiled into online and physical research books. This body of compiled research then becomes the basis of the intellectual framework for the individual students' design projects. This final degree project parallels an in-depth two-semester professional practice sequence 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

- Concentrations and course offerings may vary by campus and/or by program modality. Please consult with your advisor or admissions coach for the course availability each term at your campus or within your program modality.
- Certain options within the program may be *required* at certain campuses or for certain program modalities. Please consult with your advisor or admissions coach for requirements at your campus or for your program modality.

Complete all courses and requirements listed below unless otherwise indicated.

## Core Requirements

Code	Title	Hours
<b>Building and Environment</b>		
ARCH 5210	Environmental Systems	4
ARCH 5220	Integrated Building Systems	4
<b>Studio</b>		
ARCH 5115	Option Studio	6
ARCH 5120	Comprehensive Design Studio	6
<b>Professional Practice</b>		
ARCH 6430	Case Studies 1	4
ARCH 6440	Case Studies 2	4
<b>Topics and Seminars</b>		
ARCH 5310	Design Tactics and Operations	4
ARCH 6330	Seminar in Modern Architecture	4
ARCH 6340	Graduate Topics in Architecture	4
<b>Research and Project</b>		
ARCH 7130	Master's Research Studio	6
ARCH 7140	Master's Degree Project	6

## 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 (p. 3)

## Program Credit/GPA Requirements

60 total semester hours required (64 with optional elective)

Minimum 3.000 GPA required

### CONCENTRATION IN DATA VISUALIZATION

Code	Title	Hours
<b>Required Courses</b>		
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
<b>Required Courses</b>		
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
<b>Required Course</b>		
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
<b>Required Courses</b>		
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
<b>Required Course</b>		
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
<b>Required Courses</b>		
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
<b>Required Course</b>		
PPUA 6201	The 21st-Century City: Urban Opportunities and Challenges in a Global Context	4
Complete two of the following:		8
LPSC 7312	Cities, Sustainability, and Climate Change	
SUEN 6340	Topics in Urban Environmental Design	
Any 5000-level or higher PPUA course		

**ELECTIVES OPTION**

Code	Title	Hours
<b>Required Electives</b>		
Complete 8 semester hours of non-ARCH courses.		8
<b>Optional Elective</b>		
Complete 4 additional semester hours of non-ARCH courses. Electives outside architecture may be taken in consultation with your faculty advisor.		

**Plan of Study****Sample Plan of Study—Electives Option**

Year 1							
Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 5115	6	ARCH 5120	6	Vacation		Vacation	
ARCH 5210 and ARCH 5211	4	ARCH 5220	4				
ARCH 5310	4	Elective (2/2)	4				
Elective (1/2)	4	Elective (optional)					
	18		14		0		0
Year 2							
Fall	Hours	Spring	Hours				
ARCH 6330	4	ARCH 6340	4				
ARCH 6430	4	ARCH 6440	4				
ARCH 7130	6	ARCH 7140	6				
	14		14				

**Total Hours: 60**