Architecture, BS (Boston)

Website (https://camd.northeastern.edu/architecture/academic-programs/architecture/)

The Bachelor of Science in Architecture curriculum combines a rigorous studio sequence with architecture history and building technology courses to prepare students to respond innovatively and conscientiously to the complex needs of the built environment and its inhabitants. In studio classes, students have an opportunity to develop core design and critical thinking skills through a project-based experiential curriculum. These small classes, held in Ruggles Studio, allow for regular one-on-one consultation with faculty and critiques with classmates. Formal reviews with guest critics are held throughout the semester. History courses provide grounding in the ways in which historical, economic, cultural, and social factors shape the built environment. In building technology classes, students study design and test structural and environmental systems of buildings and their synergistic integration. The degree is designed to prepare students to bring specific disciplinary expertise to the inherently broad and interdisciplinary challenges facing the built environment. Additionally, four- and five-year degree path options allow students flexibility in the pace of their studies, as well as to pursue electives and/or minors in subjects that complement and enhance the study of architecture.

Students in every track participate in co-op. Students on the four-year track enroll in one six-month co-op with the option of adding a four-month co-op in their third year of study. Students on the five-year track enroll in two six-month co-ops (https://camd.northeastern.edu/architecture/experiential-learning-co-op/co-op/). This allows students to gain real-world experience in architecture that aids them in both their academic development and in professional advancement. Co-op experience can often be applied to AXP (http://www.ncarb.org/Experience-Through-Internships.aspx) credits required for licensure. Students also have the opportunity to study abroad or at affiliated institutions through a variety of different programs during their third year or summer months.

Applicants should note that the BS degree in architecture is not sufficient by itself to meet the academic requirement to sit for state licensure (most undergraduate architecture degrees are not accredited). However, students who graduate with the BS degree have the option to apply to the one-year, NAAB-accredited Master of Architecture (https://camd.northeastern.edu/architecture/academics/graduate/) degree that is open to our BS graduates in good standing, which allows our own students to achieve a master's degree and become eligible for professional licensure in an efficient and timely manner.

Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

Universitywide Requirements

All undergraduate students are required to complete the Universitywide Requirements (https://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/).

NUpath Requirements

All undergraduate students are required to complete the NUpath Requirements (https://catalog.northeastern.edu/undergraduate/university-academics/nupath/).

NUpath attributes Natural and Designed World (ND), Creative Expression and Innovation (EI), Interpreting Culture (IC), Formal and Quantitative Reasoning (FQ), Societies and Institutions (SI), Analyzing and Using Data (AD), and Differences and Diversity (DD) are met through the major course requirements.

In order to graduate, students must complete Ethical Reasoning (ER) in their electives.

Architecture Major Requirements

Code	Title	Hours
SEMESTER 1		
ARCH 1000	Architecture at Northeastern	1
ARCH 1110	Fundamental Architectural Representation	4
ARCH 1120	Fundamental Architectural Design	6
ARCH 1310 and ARCH 1311	Buildings and Cities, A Global History and Recitation for ARCH 1310	4
SEMESTER 2		
ARCH 2130	Site, Space, Program	6
ARCH 2240	Architectonic Systems	4
Architecture History Elective 1		
Complete any course in the range of ARCH 2300 to ARCH 2399.		4
SEMESTER 3		
ARCH 2140	Urban Housing	6

ARCH 3450	Advanced Architectural Communication	4
Architecture History Elective 2 [1]		
Complete any course in the range of ARCH 2300 to ARCH 2399.		4
SEMESTER 4		
ARCH 2340 and ARCH 2341	Modern Architecture and Recitation for ARCH 2340	4
ARCH 3170	Architecture, Infrastructure, and the City	6
ARCH 3210 and ARCH 3211	Environmental Systems and Recitation for ARCH 3210	4
SEMESTER 5		
Travel Study		
Students work with the department and their advisor to choose the approved off-campus study experience that best aligns with their ambitions.		16
SEMESTER 6		
ARCH 5115	Option Studio	6
ARCH 5330	Theories of Architecture and Urbanism	4
ARCH 5430	Introduction to Professional Practice in Architecture	4
SEMESTER 7		
ARCH 3370	Advanced Topics in Architectural History	4
ARCH 5140	Capstone Studio	6
ARCH 5230 and ARCH 5231	Structural Systems and Recitation for ARCH 5230	4
ARCH 5310	Design Tactics and Operations	4

[1] Please note that Urban and Architectural History Abroad (ARCH 4850), taught exclusively on Dialogues of Civilizations, also satisfies one of the two architectural history electives.

Supporting Courses

Code	Title	Hours
SEMESTER 1		
PHYS 1141	General Physics	4
SEMESTER 2		
EEAM 2000	Professional Development for Co-op	1
ENGW 1111	First-Year Writing	4
SEMESTER 3		
MATH 1241	Calculus 1	4
SEMESTER 6		
ENGW 3314 or ENGW 3315	Advanced Writing in the Arts, Media, and Design Interdisciplinary Advanced Writing in the Disciplines	4
Cooperative Education		
Architecture majors are required to complete one or two six-month co-ops, depending on their plan of study.		
COOP 3945	Co-op Work Experience	

Important Note

When registering for classes, note additional electives are required. If you are taking less than 18 semester hours during fall or spring semesters, verify with your advisor that you have registered for all required electives.

Major GPA Requirement

Minimum 2.500 GPA required

Architecture Major Credit Requirement

Complete 96 semester hours in the major.

Program Requirement

142 total semester hours required

Plan of Study
Sample Plans of Study
Four Years, One Co-op in Summer 2/Fall
LAST NAME BEGINS WITH A–L

Year 1

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 1000	1	ARCH 2130	6	MATH 1241	4	Vacation	
ARCH 1110	4	ARCH 2240	4	Elective	4		
ARCH 1120	6	EEAM 2000	1				
ARCH 1310 and ARCH 1311	4	ENGW 1111	4				
PHYS 1141 (or elective)	4	Architecture history elective (1 of 2)	4				
	19		**19**		**8**		**0**

Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 2140	6	ARCH 2340 and ARCH 2341	4	Elective	4	Co-op	0
ARCH 3450	4	ARCH 3170	6	Elective	4		
MATH 1241 (or elective)	4	ARCH 3210 and ARCH 3211	4				
Architecture history elective (2 of 2)	4	Elective	4				
	18		**18**		**8**		**0**

Year 3

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Co-op	0	Travel study	16	Optional 4-month co-op		Optional 4-month co-op	
		Students may choose from a variety of approved, off-campus study opportunities and are expected to complete a minimum of 16 credits in the location of their choosing.		or		or	
				Dialogue of Civilizations		Dialogue of Civilizations	
				or		or	
				Electives (2)		Electives (2)	
				or		or	
				Vacation		Vacation	
	0		**16**		**0**		**0**

Year 4

Fall	Hours	Spring	Hours
ARCH 5115	6	ARCH 3370	4
ARCH 5330	4	ARCH 5140	6
ARCH 5430	4	ARCH 5230 and ARCH 5231	4
ENGW 3314	4	ARCH 5310	4
	18		**18**

Total Hours: 142

Four Years, One Co-op in Spring/Summer 1

Year 1

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 1000	1	ARCH 2130	6	MATH 1241	4	Vacation	
ARCH 1110	4	ARCH 2240	4	Elective	4		
ARCH 1120	6	EEAM 2000	1				
ARCH 1310 and ARCH 1311	4	ENGW 1111	4				
PHYS 1141 (or elective)	4	Architecture history elective (1 of 2)	4				
	19		**19**		**8**		**0**

Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 2140	6	ARCH 2340 and ARCH 2341	4	Optional 4-month co-op		Optional 4-month co-op	0
ARCH 3450	4	ARCH 3170	6	or		or	
Architecture history elective (2 of 2)[1]	4	ARCH 3210 and ARCH 3211	4	Dialogue of Civilizations		Dialogue of Civilizations	
Elective	4	Elective	4	or		or	
				Electives (2)		Electives (2)	
				or		or	
				Vacation		Vacation	
	18		**18**		**0**		**0**

Year 3

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Travel study	16	Co-op		Co-op		Elective	4
Students may choose from a variety of approved, off-campus study opportunities and are expected to complete a minimum of 16 credits in the location of their choosing.						Elective	4
	16		**0**		**0**		**8**

Year 4

Fall	Hours	Spring	Hours
ARCH 5115	6	ARCH 3370	4
ARCH 6330	4	ARCH 5140	6
ARCH 6430	4	ARCH 5230 and ARCH 5231	4
ENGW 3314	4	ARCH 5310	4
	18		**18**

Total Hours: 142

Five Years, Two Co-ops in Summer 2/Fall

Year 1

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 1000	1	ARCH 2130	6	Vacation		Vacation	
ARCH 1110	4	ARCH 2240	4				
ARCH 1120	6	EEAM 2000	1				
ARCH 1310 and ARCH 1311	4	ENGW 1111	4				

	Hours		Hours		Hours		Hours
Elective	4	Architecture history elective (1 of 2)	4				
	19		**19**		**0**		**0**

Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 2140	6	ARCH 2340 and ARCH 2341	4	Vacation		Co-op	0
ARCH 3450	4	ARCH 3170	6				
PHYS 1141	4	ARCH 3210 and ARCH 3211	4				
Architecture history elective (2 of 2)[1]	4	Elective	4				
	18		**18**		**0**		**0**

Year 3

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Co-op	0	Travel study	16	Vacation		Vacation	
		Students may choose from a variety of approved, off-campus study opportunities and are expected to complete a minimum of 16 credits in the location of their choosing.					
	0		**16**		**0**		**0**

Year 4

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 5330	4	ARCH 5115 (1 of 2)	6	Vacation		Co-op	0
ARCH 5430	4	ARCH 5310	4				
ENGW 3314	4	MATH 1241	4				
Elective	4	Elective	4				
	16		**18**		**0**		**0**

Year 5

Fall	Hours	Spring	Hours
Co-op	0	ARCH 3370	4
		ARCH 5140	6
		ARCH 5230 and ARCH 5231	4
		Elective	4
	0		**18**

Total Hours: 142

Five Years, Two Co-ops in Spring/Summer 1
DIVISION B—LAST NAME BEGINS WITH M–Z

Year 1

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 1000	1	ARCH 2130	6	Vacation		Vacation	
ARCH 1110	4	Architecture history elective (1 of 2)	4				
ARCH 1120	6	ARCH 2240	4				
ARCH 1310 and ARCH 1311	4	EEAM 2000	1				
Elective	4	ENGW 1111	4				
	19		**19**		**0**		**0**

Year 2

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 2140	6	ARCH 2340 and ARCH 2341	4	Vacation		Vacation	
ARCH 3450	4	ARCH 3170	6				
PHYS 1141	4	ARCH 3210	4				
Architecture history elective (2 of 2)	4	Elective	4				
	18		**18**		**0**		**0**

Year 3

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
Travel study	16	Co-op	0	Co-op	0	Vacation	
Students may choose from a variety of approved, off-campus study opportunities and are expected to complete a minimum of 16 credits in the location of their choosing.							
	16		**0**		**0**		**0**

Year 4

Fall	Hours	Spring	Hours	Summer 1	Hours	Summer 2	Hours
ARCH 5115	6	Co-op	0	Co-op	0	Vacation	
ARCH 5430	4						
Elective	4						
Elective	4						
	18		**0**		**0**		**0**

Year 5

Fall	Hours	Spring	Hours
ARCH 5330	4	ARCH 3370	4
ENGW 3314	4	ARCH 5140	6
MATH 1241	4	ARCH 5230 and ARCH 5231	4
Elective	4	ARCH 5310	4
	16		**18**

Total Hours: 142