

## ARCHITECTURE (COURSE 4)

Department of Architecture (<http://catalog.mit.edu/schools/architecture-planning/architecture/#undergraduatetext>)

### Bachelor of Science in Architecture

#### General Institute Requirements (GIRs)

The General Institute Requirements include a Communication Requirement that is integrated into both the HASS Requirement and the requirements of each major; see details below.

Summary of Subject Requirements	Subjects
Science Requirement	6
Humanities, Arts, and Social Sciences (HASS) Requirement [one subject can be satisfied by a subject in the Departmental Program]; at least two of these subjects must be designated as communication-intensive (CI-H) to fulfill the Communication Requirement.	8
Restricted Electives in Science and Technology (REST) Requirement [one subject can be satisfied by 4.440[] in the Departmental Program]	2
Laboratory Requirement (12 units) [can be satisfied by 4.411[], an option within the Departmental Program]	1
<b>Total GIR Subjects Required for SB Degree</b>	<b>17</b>

#### Physical Education Requirement

Swimming requirement, plus four physical education courses for eight points.

#### Departmental Program

Choose at least two subjects in the major that are designated as communication-intensive (CI-M) to fulfill the Communication Requirement.

Required Subjects	Units
4.021 Design Studio: How to Design or 4.02A Design Studio: How to Design Intensive	9-12
4.022 Design Studio: Introduction to Design Techniques and Technologies	12
4.023 Architecture Design Studio I (CI-M)	24
4.024 Architecture Design Studio II	24
4.302 Foundations in Art, Design, and Spatial Practices (CI-M)	12
4.401 Environmental Technologies in Buildings	12
4.440[] Introduction to Structural Design	12
4.500 Design Computation: Art, Objects and Space	12

4.501 Tiny Fab: Advancements in Rapid Design and Fabrication of Small Homes <sup>1</sup>	12
or 4.502 Advanced Visualization: Architecture in Motion Graphics	

4.603 Understanding Modern Architecture	12
<i>Select one of the following:</i>	12

4.605 A Global History of Architecture <sup>1</sup>

4.614 Building Islam <sup>1</sup>

4.635 Early Modern Architecture and Art <sup>1</sup>

#### Restricted Electives

*Select one of the following:* 24

4.025 Architecture Design Studio III

Two subjects from the Restricted Electives list below

**Units in Major 177-180**

**Unrestricted Electives 48-51**

Units in Major That Also Satisfy the GIRs (36)

**Total Units Beyond the GIRs Required for SB Degree 192**

The units for any subject that counts as one of the 17 GIR subjects cannot also be counted as units required beyond the GIRs.

<sup>1</sup> Where there are certain choices in the Required Subjects section (4.501 or 4.502; and 4.605, 4.614, or 4.635), the option(s) not chosen can be used as a restrictive elective.

#### Restricted Electives

##### Architecture Design and Studies

4.041 Design Studio: Advanced Product Design 12

4.053 Visual Communication Fundamentals 12

4.250[] Introduction to Urban Design and Development 12

##### Art, Culture, and Technology

4.307 Art, Architecture, and Urbanism in Dialogue 12

4.314 Advanced Workshop in Artistic Practice and Transdisciplinary Research 12

4.322 Introduction to Three-Dimensional Art Work 12

4.341 Introduction to Photography and Related Media 12

4.344 Advanced Photography and Related Media 12

4.354 Introduction to Video and Related Media 12

4.356 Cinematic Migrations 12

4.368 Studio Seminar in Art and the Public Sphere 12

## ARCHITECTURE (COURSE 4)

4.373	Advanced Projects in Art, Culture, and Technology	12
<i>Building Technology</i>		
4.411[[]]	D-Lab Schools: Building Technology Laboratory	12
4.432	Modeling Urban Energy Flows for Sustainable Cities and Neighborhoods	12
4.451	Computational Structural Design and Optimization	12
<i>Computation</i>		
4.501	Tiny Fab: Advancements in Rapid Design and Fabrication of Small Homes <sup>1</sup>	12
4.502	Advanced Visualization: Architecture in Motion Graphics <sup>1</sup>	12
4.507	Introduction to Building Information Modeling in Architecture	12
4.520	Visual Computing	12
6.1040	Software Design	15
6.4400	Computer Graphics	12
6.8371	Digital and Computational Photography	12
CMS.405	Visual Design	12
CMS.631	Data Storytelling Studio	12
CMS.633	Digital Humanities: Topics, Techniques, and Technologies	12
<i>History, Theory and Criticism of Architecture, Art and Design</i>		
4.601	Introduction to Art History	12
4.602	Modern Art and Mass Culture	12
4.605	A Global History of Architecture <sup>1</sup>	12
4.614	Building Islam <sup>1</sup>	12
4.635	Early Modern Architecture and Art <sup>1</sup>	12
4.636	Topics in European Medieval Architecture and Art	12
4.651	Art Since 1940	12
4.657	Design: The History of Making Things	12

<sup>1</sup> Where there are certain choices in the Required Subjects section (4.501 or 4.502; and 4.605, 4.614, or 4.635), the option(s) not chosen can be used as a restrictive elective.