

## 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) [one subject 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 Introduction to Architecture Design or 4.02A Introduction to Architecture Design Intensive	9-12
4.022 Architecture Design Foundations	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]] Building Structural Systems I	12
4.500 Introduction to Design Computing	12
4.501 Creative Design Prototyping	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	
4.614	Building Islam	
4.635	Early Modern Architecture and Art	
<b>Restricted Electives</b>		
<i>Select one of the following:</i>		24
4.025	Architecture Design Studio III	
Two subjects from the Restricted Electives list <sup>1</sup>		
<b>Units in Major</b>		177-180
<b>Unrestricted Electives</b>		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> The list of Restricted Electives includes subjects that are also listed under Required Subjects. However, in situations where students choose only one subject in a designated group as a Required Subject, it is acceptable to use the subjects not chosen as Restricted Electives.

#### Restricted Electives

##### Art, Culture and Technology

4.307	Art, Architecture, and Urbanism in Dialogue	12
4.322	Introduction to Three-Dimensional Art Work	12
4.341	Introduction to Photography and Related Media	12
4.354	Introduction to Video and Related Media	12
4.368	Studio Seminar in Art and the Public Sphere	12

##### Building Technology

4.411]]	D-Lab Schools: Building Technology Laboratory	12
4.42]]	Fundamentals of Energy in Buildings	12
4.432	Modeling Urban Energy Flows for Sustainable Cities and Neighborhoods	12

##### Computation

4.501	Creative Design Prototyping *	12
4.502	Advanced Visualization: Architecture in Motion Graphics	12

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4.504	Design Scripting	12
4.520	Visual Computing I	12
4.522	Visual Computing II	12

### **History, Theory and Criticism of Architecture and Art**

4.601	Introduction to Art History	12
4.602	Modern Art and Mass Culture	12
4.605	A Global History of Architecture *	12
4.614	Building Islam *	12
4.635	Early Modern Architecture and Art *	12
4.651	Art Since 1940	12

\* Denotes a subject that is also listed under Required Subjects. In situations where students choose only one subject in a designated group as a Required Subject, it is acceptable to use the subjects not chosen as Restricted Electives.