ARCHITECTURE (COURSE 4)

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

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

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Science Requirement</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities, Arts, and Social Sciences (HASS)</td>
<td>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.</td>
<td>8</td>
</tr>
<tr>
<td>Restricted Electives in Science and Technology (REST)</td>
<td>Requirement [one subject can be satisfied by 4.440[J] in the Departmental Program]</td>
<td>2</td>
</tr>
<tr>
<td>Laboratory Requirement (12 units) [can be satisfied by 4.411[J], an option within the Departmental Program]</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>Total GIR Subjects Required for SB Degree</td>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Required Subjects</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.021 or 4.02A</td>
<td>Design Studio: How to Design</td>
</tr>
<tr>
<td>4.022</td>
<td>Design Studio: How to Design Intensive</td>
</tr>
<tr>
<td>4.023</td>
<td>Architecture Design Studio I (CI-M)</td>
</tr>
<tr>
<td>4.024</td>
<td>Architecture Design Studio II</td>
</tr>
<tr>
<td>4.302</td>
<td>Foundations in Art, Design, and Spatial Practices (CI-M)</td>
</tr>
<tr>
<td>4.401</td>
<td>Environmental Technologies in Buildings</td>
</tr>
<tr>
<td>4.440[J]</td>
<td>Introduction to Structural Design</td>
</tr>
<tr>
<td>4.500</td>
<td>Design Computation: Art, Objects and Space</td>
</tr>
</tbody>
</table>

4.501 Design and Fabrication of Tiny Homes 12
or 4.502 Advanced Visualization: Architecture in Motion Graphics 12
4.603 Understanding Modern Architecture 12

Select one of the following:

- 4.605 A Global History of Architecture 12
- 4.614 Building Islam 12
- 4.635 Early Modern Architecture and Art 12

Restricted Electives
Select one of the following:

- 4.025 Architecture Design Studio III 24

Two subjects from the Restricted Electives list 1

Units in Major 177-180

Unrestricted Electives 48-51

Total Units Required for SB Degree (36) 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.

1 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[J] D-Lab Schools: Building Technology Laboratory 12
- 4.432 Modeling Urban Energy Flows for Sustainable Cities and Neighborhoods 12

Computation

- 4.501 Design and Fabrication of Tiny Homes 12

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4.502 Advanced Visualization: Architecture in Motion Graphics 12
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.