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

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Science Requirement</th>
<th>Humanities, Arts, and Social Sciences (HASS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units</td>
<td>6</td>
<td>8</td>
</tr>
</tbody>
</table>

- 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.

- Restricted Electives in Science and Technology (REST) Requirement [one subject can be satisfied by 4.440[J] in the Departmental Program]

- Laboratory Requirement (12 units) [one subject can be satisfied by 4.411[J], an option within the Departmental Program]

Total GIR Subjects Required for SB Degree 17

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>Introduction to Architecture Design 9-12</td>
</tr>
<tr>
<td>4.022</td>
<td>Architecture Design Foundations 12</td>
</tr>
<tr>
<td>4.023</td>
<td>Architecture Design Studio I (CI-M) 24</td>
</tr>
<tr>
<td>4.024</td>
<td>Architecture Design Studio II 24</td>
</tr>
<tr>
<td>4.302</td>
<td>Foundations in Art, Design, and Spatial Practices (CI-M) 12</td>
</tr>
<tr>
<td>4.401</td>
<td>Environmental Technologies in Buildings 12</td>
</tr>
<tr>
<td>4.440[J]</td>
<td>Building Structural Systems I 12</td>
</tr>
<tr>
<td>4.500</td>
<td>Introduction to Design Computing 12</td>
</tr>
<tr>
<td>4.501</td>
<td>Creative Design Prototyping 12</td>
</tr>
<tr>
<td>or 4.502</td>
<td>Advanced Visualization: Architecture in Motion Graphics 12</td>
</tr>
<tr>
<td>4.603</td>
<td>Understanding Modern Architecture 12</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td>4.605</td>
<td>A Global History of Architecture 12</td>
</tr>
<tr>
<td>4.614</td>
<td>Building Islam 12</td>
</tr>
<tr>
<td>4.635</td>
<td>Early Modern Architecture and Art 12</td>
</tr>
</tbody>
</table>

Restricted Electives
Select one of the following: 24
- 4.025 Architecture Design Studio III
- Two subjects from the Restricted Electives list 1

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.

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 Creative Design Prototyping 12
- 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.