ARCHITECTURE (COURSE 4)

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

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) 8
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.

Required Subjects Units
4.021 Introduction to Architecture Design 9-12
or 4.02A Introduction to Architecture Design Intensive
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[J] 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
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

Restricted Electives
Select one of the following:
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.

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

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.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>12</th>
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<tbody>
<tr>
<td>4.504</td>
<td>Design Scripting</td>
<td>12</td>
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<tr>
<td>4.520</td>
<td>Visual Computing I</td>
<td>12</td>
</tr>
<tr>
<td>4.522</td>
<td>Visual Computing II</td>
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**History, Theory and Criticism of Architecture and Art**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>4.601</td>
<td>Introduction to Art History</td>
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<tr>
<td>4.602</td>
<td>Modern Art and Mass Culture</td>
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</tr>
<tr>
<td>4.605</td>
<td>A Global History of Architecture</td>
<td>12</td>
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<td>4.635</td>
<td>Early Modern Architecture and Art</td>
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<tr>
<td>4.651</td>
<td>Art Since 1940</td>
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</tbody>
</table>

* 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.