MATHEMATICAL ECONOMICS (COURSE 14-2)

Economics Department (http://catalog.mit.edu/schools/humanities-arts-social-sciences/economics/#undergraduatetext)

Bachelor of Science in Mathematical Economics

**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>Subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Humanities, Arts, and Social Sciences (HASS) Requirement</td>
<td>8</td>
</tr>
<tr>
<td>Restricted Electives in Science and Technology (REST) Requirement</td>
<td>2</td>
</tr>
<tr>
<td>Laboratory Requirement (12 units)</td>
<td>1</td>
</tr>
<tr>
<td>Total GIR Subjects Required for SB Degree</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.

**Required Subjects**

<table>
<thead>
<tr>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>12</td>
</tr>
<tr>
<td>12</td>
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<tr>
<td>12</td>
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<tr>
<td>12</td>
</tr>
</tbody>
</table>

3. 18.100A (http://catalog.mit.edu/search/?P=18.100A) Real Analysis
4. 18.03 (http://catalog.mit.edu/search/?P=18.03) Differential Equations
Select one of the following: 12

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.104</td>
<td>Seminar in Analysis (CI-M)</td>
<td><a href="http://catalog.mit.edu/search/?P=18.104">link</a></td>
</tr>
<tr>
<td>18.504</td>
<td>Seminar in Logic (CI-M)</td>
<td><a href="http://catalog.mit.edu/search/?P=18.504">link</a></td>
</tr>
<tr>
<td>18.784</td>
<td>Seminar in Number Theory (CI-M)</td>
<td><a href="http://catalog.mit.edu/search/?P=18.784">link</a></td>
</tr>
</tbody>
</table>

Restricted Electives
Select three additional subjects in mathematics and economics, with at least one subject in each discipline. 36

<table>
<thead>
<tr>
<th>Units in Major</th>
<th>144</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unrestricted Electives</td>
<td>84-96</td>
</tr>
<tr>
<td>Units in Major That Also Satisfy the GIRs</td>
<td>(48-60)</td>
</tr>
<tr>
<td>Total Units Beyond the GIRs Required for SB Degree</td>
<td>180</td>
</tr>
</tbody>
</table>

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 Alternative versions of this subject, 18.100B [link](http://catalog.mit.edu/search/?P=18.100B), 18.100P [link](http://catalog.mit.edu/search/?P=18.100P), and 18.100Q [link](http://catalog.mit.edu/search/?P=18.100Q), also satisfy this requirement.

2 Subject has prerequisites that are outside of the program.