### INSTITUTE REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry (1)</td>
<td>3.091/5.11</td>
<td></td>
</tr>
<tr>
<td>Biology (1)</td>
<td>7.01</td>
<td></td>
</tr>
<tr>
<td>Calculus (2)</td>
<td>18.01</td>
<td>18.02</td>
</tr>
<tr>
<td>Physics (2)</td>
<td>8.01</td>
<td>8.02</td>
</tr>
<tr>
<td>Institute Lab (1)</td>
<td>6.01 + (6.02 or 6.03), or 6.004</td>
<td></td>
</tr>
</tbody>
</table>

**REST (2)***

<table>
<thead>
<tr>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.03, 18.06, 6.002, 6.005, 6.041, 6.042</td>
<td></td>
</tr>
</tbody>
</table>

#### HASS (8)

- HASS-H
- HASS-A
- HASS-S
- Concentration
- Concentration
- Concentration/Elective
- Elective

### DEPARTMENT REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory (2)</td>
<td>6.01</td>
<td></td>
</tr>
<tr>
<td>Mathematics* (2)</td>
<td>6.01; 6.02 or 6.03 or 6.004</td>
<td></td>
</tr>
<tr>
<td>Foundations (3 or 4)</td>
<td>6.002, 6.003, 6.004, 6.007</td>
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</tr>
<tr>
<td>Department Lab (1)</td>
<td>6.004, 6.005, 6.006</td>
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</tr>
<tr>
<td>Headers (3)</td>
<td>6.01, 6.011, 6.012, 6.013, 6.021</td>
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</tr>
<tr>
<td>Advanced Undergraduate Subjects (2)</td>
<td>6.033; 6.034 or 6.036; 6.045 or 6.046</td>
<td></td>
</tr>
<tr>
<td>Advanced Project** (1 or 2)</td>
<td>6.04 or 6.008</td>
<td></td>
</tr>
<tr>
<td>M.Eng. Restricted Electives (2)</td>
<td>6.008 allowed as EE or CS</td>
<td></td>
</tr>
<tr>
<td>M.Eng. Advanced Approved Graduate Subjects (4)</td>
<td>6.141, 6.170, 6.172, 6.173, 6.175, 6.035, 6.036, 6.042</td>
<td></td>
</tr>
<tr>
<td>M.Eng. Thesis (24 units minimum)</td>
<td>6.042 or 6.008</td>
<td></td>
</tr>
</tbody>
</table>

* Check which math courses are prerequisites for your other courses. 6.008 can be used instead of 6.042 as a prereq for CS courses, by petition.

** If taken Fall 2015 or after, 12 units of 6.UAR also satisfies the 6.UAT requirement; otherwise 6.UAT is required for all students.

- Juniors must take one of the EECS CI-M courses -- see http://www.eecs.mit.edu/academics-admissions/undergraduate-programs/curriculum/communication-requirement

Dept. requirements may be used to satisfy the Institute Lab, REST and CI-M requirements. Otherwise: NO DOUBLE COUNTING!
M.Eng. Program, AUS Subjects and Concentrations in EECS

42 units: Four EECS Approved Advanced Graduate Subjects (AAGS); one of the four can be non-EECS AAGS by petition
24 units: Two subjects from Restricted Electives list
24 units: M.Eng. thesis (6.THM)
90 units TOTAL

<table>
<thead>
<tr>
<th>Concentration Fields: one three-subject concentration from among the 2 AUS and 4 AAGS subjects. Classes in bold may be used as AUS by Advisor permission.</th>
</tr>
</thead>
</table>

**Applied Physics**
- AUS: 6.061, 6.602/6.807
- Approved Substitution: __________________________________________

**Artificial Intelligence**
- AUS: 6.036, 6.141, 6.189, 6.801, 6.802, 6.803, 6.804, 6.806, 6.813 if not used as Lab, 6.8078, 6.905
- Approved Substitution: __________________________________________

**BioEECS**
- Approved Substitution: __________________________________________

**Circuits**
- AUS: 6.301, 6.302
- Approved Substitution: __________________________________________

**Communications**
- AUS: 6.207, 6.36
- Approved Substitution: __________________________________________

**Computer Systems**
- AUS: 6.035 (if not used as Lab), 6.172 (not if used as Lab), 6.173* (if not used as lab), 6.805, 6.814, 6.816
- Approved Substitution: __________________________________________

**Control**
- AUS: 6.302
- Approved Substitution: __________________________________________

**Graphics and Human-Computer Interfaces**
- AUS: 6.801, 6.813 (if not used for Lab), 6.815, 6.819, 6.837
- Approved Substitution: __________________________________________

**Materials, Devices and Nanotechnology**
- Approved Substitution: __________________________________________

**Numerical Methods**
- Approved Substitution: __________________________________________

**Signals and Systems**
- Approved Substitution: __________________________________________

**Theoretical Computer Science**
- AUS: 6.045
- Approved Substitution: __________________________________________

*no longer satisfies requirement or no longer exists; but can be used if taken previously.

Bold subjects can be used to satisfy the AUS requirement by advisor permission only.

**General AUS Subjects**: 6.101, 6.111, 6.115, 6.131, 6.170, 6.175, 21M.359

Subjects used a AUS cannot also be counted for Lab or Senior Project (6.UAP).