### INSTITUTE REQUIREMENTS

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

#### REST (2)

18.03 or 18.06
6.041 or 6.042

**HASS requirement:**

- HASS-D
- HASS-D
- HASS-D

**Concentration**

**Concentration**

**Conc/Elective**

**Elective**

### DEPARTMENT REQUIREMENTS

<table>
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<tr>
<th>Subject</th>
<th>Term</th>
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<tbody>
<tr>
<td>Introductory (2)</td>
<td>6.01</td>
</tr>
<tr>
<td>(6-1, 6-2, 6-3) Inst. Lab</td>
<td>6.02</td>
</tr>
</tbody>
</table>

#### Mathematics (2)

**6-1:** 18.03, 6.041

**6-2:** 18.03 or 18.06, 6.041 or 6.042

**6-3:** 18.03 or 18.06; 6.042J

**Foundations**

- 6-1: (3 EE Foundations)
- 6-2: (4 Total: 2 EE Foundations and 2 CS Foundations)
- 6-3: (3 CS Foundations)

**EE Foundations**

- 6.002

**EE or CS Foundation**

- 6.004

**CS Foundations**

- 6.005
- 6.006

**Department Lab (1)**

- 6-1, 6-2: 6.100 - 6.182, 6.035, 6.813 (6.828), 20.345

**Headers (3)**

**EE Headers**

- 6-1: 3 EE Headers
- 6-2: 3 with at least 1 EE and at least 1 CS Header
- 6-3: 3 CS Headers

**CS Headers**

- 6.033
- 6.034
- 6.046

**Advanced Undergraduate Subjects (2)**

Use the link for the AUS site, below.

**Advanced Project (2)**

- 6.UAT
- 6.UAP or 6.UAR or an additional CIM D Lab

*For unit requirements, consult:*

http://web.mit.edu/catalogue/degre.engin.elect.shtml

**3rd Year CI-M:** Juniors must take at least one of the Course VI 3rd year CIM classes.

Use the CI-M, Communications Reqmnts site, below.

#### Dept. Requirements may be used to satisfy the Institute Lab (6.01, 6.02), the REST and CI-M requirements.

Otherwise: NO DOUBLE COUNTING.

http://www.eecs.mit.edu/academics-admissions/undergraduate-programs/curriculum/advanced-undergraduate-subjects (AUS site)

http://www.eecs.mit.edu/academics-admissions/undergraduate-programs/curriculum/communication-requirement (Communication Req.)
New M.Eng. Program in EECS for students who completed the new undergraduate curriculum

Four H-level graduate subjects totaling at least **42 units** of which at least **36 units** are from **EECS subjects**.

Two subjects (24 units) from Restricted Electives list

66 units total in graduate program; plus 24 units M.Eng. thesis (6.THM)

90 units TOTAL


Approved Substitution: ____________________________________________

**General AUS Subjects**: 6.111, 6.115, 6.131, 6.141, 6.170, 6.172, 6.173* Cannot also be counted for Lab or Senior Project (6.UAP).

**Concentration Fields** (one three-subject concentration from among the 2 AUS and 4 grad-H subjects; at least one of the concentration subjects must be grad-H.)


Approved Substitution: _______________________________________

**Artificial Intelligence** AUS: 6.141, 6.801, 6.802, 6.803, 6.804, 6.813 if not used as Lab, 6.863, 6.867, 6.S078

Approved Substitution: _______________________________________

**BioEECS** AUS: 6.022, 6.023, 6.025, 6.047, 6.049, 6.502, 6.503, 6.802

Approved Substitution: _______________________________________

**Circuits** AUS: 6.301, 6.302

Approved Substitution: _______________________________________

**Communications** AUS: 6.207, 6.255,16.36,

Approved Substitution: _______________________________________

**Computer Systems** AUS: 6.035 (if not used as Lab), 6.170 (not if used as Lab), 6.173 (if not used as lab), 6.805, 6.814, 6.824

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, 6.837

Approved Substitution: _______________________________________

**Materials, Devices and Nanotechnology** AUS: 6.602*, 6.701

Approved Substitution: _______________________________________

**Numerical Methods** AUS: 6.336

Approved Substitution: _______________________________________


Approved Substitution: _______________________________________

**Theoretical Computer Science** AUS: 6.045, 6.840, 6.854

Approved Substitution: _______________________________________

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

Bold subjects can be used for undergraduate requirements by adviser permission only.