### INSTITUTE REQUIREMENTS

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

6.01 + (6.02 or 6.03), or 6.504

**REST (2)**

18.03, 18.06, 6.002, 6.005, 6.041, 6.042

**HASS (8)**

- HASS-H
- HASS-A
- HASS-S

**Concentration**

- Concentration
- Concentration
- Concentration/Elective
- Elective

**Unrestricted Electives (Everything else!)**

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* 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!

### DEPARTMENT REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Term</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Introductory (2)</td>
<td>6.01</td>
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<tr>
<td>Mathematics* (2)</td>
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<tr>
<td>Foundations (3 or 4)</td>
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**Department Lab (1)**

6-3: 6.141, 6.170, 6.172, 6.173, 6.175, 6.035, 6.813, 6.828

6-1, 6-2: all 6-3 labs listed above plus 6.101, 6.111, 6.115, 6.123, 6.129, 6.131, 6.142, 6.152, 6.161, 6.163, 6.182

**Advanced Undergraduate Subjects (2)**

See reverse side of this sheet

**Advanced Project**** (1 or 2)

6.UAT and (6.UAP or additional Dept. CI-M Lab), or 12 units 6.UAR

**M.Eng. Restricted Electives (2)**

See reverse side of this sheet

**M.Eng. Advanced Approved Graduate Subjects (4)**

See reverse side of this sheet

**Concentration:**

**M.Eng. Thesis (24 units minimum)**

6.THM

6.THM
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


**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.

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

**Artificial Intelligence**
AUS: 6.036, 6.141, 6.801, 6.802, 6.803, 6.804, 6.806, 6.813 if not used as Lab, 6.807A, 6.905
Approved Substitution: ____________________________________________

**BioEECS**
AUS: 6.022, 6.023, 6.025, 6.047, 6.048, 6.049, 6.502, 6.503, 6.504, 6.802
Approved Substitution: ____________________________________________

**Circuits**
AUS: 6.301, 6.302
AAGS: 6.331, 6.332, 6.333, 6.334, 6.374, 6.375, 6.376, 6.775, 6.776
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**
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**
AUS: 6.602*, 6.701, 6.717
Approved Substitution: ____________________________________________

**Numerical Methods**
Approved Substitution: ____________________________________________

**Signals and Systems**
Approved Substitution: ____________________________________________

**Theoretical Computer Science**
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).