### 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>
<td></td>
</tr>
<tr>
<td>(6-1, 6-2, 6-3) Inst. Lab</td>
<td></td>
<td>6.02</td>
</tr>
<tr>
<td>Mathematics (2)</td>
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<tr>
<td>6-1: 18.03, 6.041</td>
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<tr>
<td>6-2: 18.03 or 18.06, 6.041 or 6.042</td>
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<tr>
<td>6-3: 18.03 or 18.06; 6.042J</td>
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### INSTITUTE REQUIREMENTS

<table>
<thead>
<tr>
<th>Subject</th>
<th>Term</th>
<th>Grade</th>
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<tbody>
<tr>
<td>Chemistry</td>
<td>3.091/5.11</td>
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<tr>
<td>Biology</td>
<td>7.01</td>
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<tr>
<td>Calculus</td>
<td>18.01</td>
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<tr>
<td>Physics</td>
<td>8.01</td>
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<tr>
<td>Institute Lab (1)</td>
<td>6.01 (1/2)</td>
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<tr>
<td>and 6.02(1/2)</td>
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<td>REST (2)</td>
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<tr>
<td>18.03 or 18.06</td>
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<tr>
<td>6.041 or 6.042</td>
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<tr>
<td>HASS requirement:</td>
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<tr>
<td>EE Foundations</td>
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<tr>
<td>6-1: (3 EE Foundations)</td>
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<tr>
<td>6-2: (4 Total: 2 EE Foundations and 2 CS Foundations)</td>
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<td>6-3: (3 CS Foundations)</td>
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<td>Concentration</td>
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<td>Conc/Elective</td>
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<tr>
<td>Elective</td>
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### HASS-D

- 6-1: 6.002
- 6.003
- 6.004
- 6.005
- 6.006

### 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
- 6.011
- 6.012
- 6.013
- 6.021

### CS Headers

- 6.033
- 6.034
- 6.046

### Advanced Undergraduate Subjects (2)


### Advanced Project (2)

- 6.UAT
- 6.UAP

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*For unit requirements, consult:
http://web.mit.edu/catalogue/degre.engin.elect.shtml
† By administrative approval

3rd Year CI-M: Juniors must take at least one of the Course VI 3rd year CIM classes.
http://www.eecs.mit.edu/ug/communication.html

Dept. Requirements may be used to satisfy the Institute Lab (6.01, 6.02), the REST and CI-M requirements. Otherwise: NO DOUBLE COUNTING.
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

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<td>Approved Substitutions:</td>
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**General AUS Subjects:** 6.111, 6.115, 6.131. Cannot also be counted for Lab or other requirement

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

**Applied Physics**

AUS: 6.061, 6.602, 6.641, 6.608


ESD.939 (ST2011 only), ESD.951 (ST2011 only)

Approved Substitution: ___________________________________________

**Artificial Intelligence**


Approved Substitution: ___________________________________________

**BioEECS**

AUS: 6.022, 6.023, 6.047, 6.502, 6.503, 6.802


Approved Substitution: ___________________________________________

**Circuits**

AUS: 6.301, 6.302


Approved Substitution: ___________________________________________

**Communications**


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, 6.857, 6.858


Approved Substitution: ___________________________________________

**Control**


Approved Substitution: ___________________________________________

**Graphics and Human-Computer Interfaces**

AUS: 6.142, 6.801, 6.813 (if not used for Lab), 6.815, 6.837


Approved Substitution: ___________________________________________

**Materials, Devices and Nanotechnology**

AUS: 6.077 (ST2011 only), 6.602, 6.701, 6.717


Approved Substitution: ___________________________________________

**Numerical Methods**

AUS: 6.079, 6.336


Approved Substitution: ___________________________________________

**Signals and Systems**

AUS: 6.341


Approved Substitution: ___________________________________________

**Theoretical Computer Science**

AUS: 6.045, 6.047, 6.840, 6.854


Approved Substitution: ___________________________________________

*no longer satisfies requirement; but can be used if taken before FT11.