**EECS Bachelors and M.Eng. Requirements Checklist**

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Department of Electrical Engineering and Computer Science**

Bachelors in 6-1 (Electrical Engineering)  
Bachelors in 6-2 (Electrical Engineering and Computer Science)  
Bachelors in 6-3 (Computer Science)

<table>
<thead>
<tr>
<th>INSTITUTE REQUIREMENTS</th>
<th>DEPARTMENT REQUIREMENTS</th>
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<tr>
<td><strong>Subject</strong></td>
<td><strong>Term</strong></td>
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<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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<td>18.02</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) and 6.02(1/2)</td>
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<tr>
<td>18.03 or 18.06</td>
<td>6.041 or 6.042</td>
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<td>HASS-D</td>
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<td>Concentration</td>
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<td>Elective</td>
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**Unrestricted Electives** (Everything Else!)

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<tr>
<th>Subject</th>
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<th>Grade</th>
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*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.

(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 Substitutions: _________________________________________

**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, 6.807


Approved Substitution: __________________________________________

**BioEECS** AUS: 6.022, 6.023, 6.025, 6.047, 6.048, 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), 6.172 (not if used as Lab), 6.173 (if not used as Lab), 6.805, 6.814, 6.816, 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.