Bachelor of Science in Electrical Science and Engineering

General Institute Requirements (GIRs)
The General Institute Requirements include a Communication Requirement that is integrated into both the HASS Requirement and the requirements of each major; see details below.

Summary of Subject Requirements

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science Requirement</td>
<td>6</td>
</tr>
<tr>
<td>Humanities, Arts, and Social Sciences (HASS)</td>
<td>8</td>
</tr>
<tr>
<td>Requirement [two subjects can be satisfied by 6.3260[J] and 6.4590[J] in the Departmental Program]; at least two of these subjects must be designated as communication-intensive (CI-H) to fulfill the Communication Requirement.</td>
<td></td>
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<tr>
<td>Restricted Electives in Science and Technology (REST) [two subjects can be satisfied from among 18.03, 18.05, 18.600, and 6.1910, 6.2000, or 6.3000 in the Departmental Program]</td>
<td>2</td>
</tr>
<tr>
<td>Laboratory Requirement (12 units) [can be satisfied by 6.3400, 6.4900, 6.9010, or 6.9080 in the Departmental Program]</td>
<td>1</td>
</tr>
<tr>
<td>Total GIR Subjects Required for SB Degree</td>
<td>17</td>
</tr>
</tbody>
</table>

Physical Education Requirement

Swimming requirement, plus four physical education courses for eight points.

Departmental Program

Choose at least two subjects in the major that are designated as communication-intensive (CI-M) to fulfill the Communication Requirement.

Elective Subjects

Select two subjects from the list of Advanced Undergraduate Subjects

Select four subjects from the departmental list of EECS subjects

Units in Major

162-171

Unrestricted Electives

48-81

Units in Major That Also Satisfy the GIRs

(36-60)

Total Units Beyond the GIRs Required for SB Degree

183-189

The units for any subject that counts as one of the 17 GIR subjects cannot also be counted as units required beyond the GIRs.

Chosen electives must satisfy each of the following categories: Advanced Departmental Laboratory, Independent Inquiry, and Probability. A subject may count toward more than one category.

See EECS Subject Groupings for a list of acceptable options.