# Electrical and Computer Engineering

## Electrical Engineering Option (2010-11)

Below is the *advised sequencing* of courses for this degree, the *official degree requirements* are found in the University General Catalog.

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>SOPHOMORE YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td><strong>Second Semester</strong></td>
</tr>
<tr>
<td>Course</td>
<td>Units</td>
</tr>
<tr>
<td>ENGR 102</td>
<td>3</td>
</tr>
<tr>
<td>MATH 125 or 124*</td>
<td>3/5</td>
</tr>
<tr>
<td>CHEM 151</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 101</td>
<td>3</td>
</tr>
<tr>
<td>Tier 1 INDV*</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>16/18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>JUNIOR YEAR</th>
<th>SENIOR YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td><strong>Second Semester</strong></td>
</tr>
<tr>
<td>Course</td>
<td>Units</td>
</tr>
<tr>
<td>ECE 320a</td>
<td>3</td>
</tr>
<tr>
<td>ECE 351a</td>
<td>4</td>
</tr>
<tr>
<td>ECE 372</td>
<td>4</td>
</tr>
<tr>
<td>ECE 3XX</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL</td>
<td>15</td>
</tr>
</tbody>
</table>

TOTAL UNITS = 128

# MATH 124 is a 5 unit version of MATH 125. Students taking MATH 124 should consider delaying the Tier 1 INDV course to maintain a reasonable academic load.

* INDV/TRAD/Art/Hum courses must meet University general education requirements. One course must be recognized by the University as focusing on non-western culture, race, gender or ethnicity. TRAD 101 satisfies this requirement.

21 units of technical electives are required. These consist of ECE 369 and other upper-division courses in engineering, math, or science, chosen in consultation with a faculty advisor. 15 units must be in ECE courses.