# Electrical and Computer Engineering

## Computer Engineering Option (2012-13)

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 122A/B*</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><strong>JUNIOR YEAR</strong></th>
<th><strong>SENIOR YEAR</strong></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>
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<tr>
<td>ECE 369A</td>
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<td>ECE 373</td>
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<tr>
<td>ECE 310</td>
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</tr>
<tr>
<td>Tier 1 TRAD*</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>17</td>
</tr>
</tbody>
</table>

TOTAL UNITS = 128

# MATH 122A/B is a 5 unit version of MATH 125. Students taking MATH 122A/B 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 gender, race, class, ethnicity, sexual orientation or non-western area of studies. TRAD 101 satisfies this requirement.

** 18 units of technical electives are required. These consist of ECE 304A, 381A, and other upper division courses in engineering, computer science, math, optical sciences, or physics as approved by a faculty advisor.