# Curriculum Summary for the Bachelor of Science Degree in Electrical and Computer Engineering

**Computer Engineering Concentration**

**Total Credits Required:** 125

<table>
<thead>
<tr>
<th>Core Curriculum (Standard)*</th>
<th>Major (Electrical and Computer Engineering)</th>
<th>Other Requirements</th>
<th>Minor Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSU Courses</td>
<td>TCCNS Equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>43 credits</td>
<td>60 credits</td>
<td>22 credits</td>
<td>0 credits</td>
</tr>
</tbody>
</table>

**Communication:**
- ENG 131 (3)**: ECE 110 (1)
- ENG 132 (3): ENGL 1301
- Other: ECE 111 (1), ENGR 131 (3), ENGT 111 (1)

**Mathematics:**
- MATH 241 (4): ECE 215 (1), MATH 243 (4)
- Other: ECE 211 (1), MATH 242 (4)

**Life and Physical Sciences:**
- CHEM 131 (3): ECE 235 (3), PHYS 217 (1)
- Other: CHEM 1311, MATH 241 (4)

**Language, Philosophy, and Culture:**
- ENG 2xx (3)**: ECE 312 (1), FS 102 (1)
- Other: ECE 311 (1), PHYS 252 (3)

**Creative Arts:**
- MUSI 239 (3): HUMA 1315
- Other: ECE 319 (1)

**American History:**
- HIST 231 (3): HIST 1301
- HIST 232 (3): HIST 1302
- Other: ECE 333 (3)

**Government/Political Science:**
- POLS 235 (3): GOVT 2305
- POLS 236 (3): GOVT 2306
- Other: ECE 337 (3)

**Social and Behavioral Sciences:**
- ECON 231 (3): ECON 2301
- Other: ECE 414 (1)

**Institutional Options:**
- SC 135 or 136 (3): SPCH 1321 or SPCH 1315
- Other: ECE 414 (4), ECE-ECX (0)
- Technical Elective (3)*

*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

**MATH 241 will be taken in lieu of Math 136 to satisfy the mathematics core requirement. For engineering majors only.

***ECE 130 will be taken in lieu of CS 116 to satisfy the institutional option of core requirement.

* Technical Electives may be selected from ECE 333 (3), ECE 435 (3), & ECE 239 (3).