## ELECTRICAL ENGINEERING

**Digital Electronics Recommended Schedule**

*Transistor and system-level digital circuit design*

**2014-2015**

<table>
<thead>
<tr>
<th>FRESHMAN</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
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<tbody>
<tr>
<td>MATH21A</td>
<td>Calculus</td>
<td>MATH21B</td>
<td>Calculus</td>
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<tr>
<td>ECS10 or 30</td>
<td>Programming</td>
<td>CHEM2A</td>
<td>General Chemistry</td>
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<tr>
<td>EEC1</td>
<td>Intro to ECE</td>
<td>ECS30 or GE</td>
<td>Software Development or GE Elective</td>
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<tr>
<td>English</td>
<td>UWP1 or English 3 or Comp Lit 1, 2, 3, or 4 or NAS 5</td>
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<thead>
<tr>
<th>SOPHOMORE</th>
<th>FALL</th>
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<tbody>
<tr>
<td>MATH21D</td>
<td>Vector Analysis</td>
<td>MATH22A</td>
<td>Linear Algebra</td>
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<tr>
<td>PHYS9B</td>
<td>Classical Physics</td>
<td>PHYS9C</td>
<td>Classical Physics</td>
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<td>+ GE Elective</td>
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<td>EEC10 or GE</td>
<td>Intro. Digital &amp; Analog or GE Elective</td>
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<tr>
<td>CMN1 or CMN3</td>
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<td>CMN2</td>
<td>Public speaking or Group Communication</td>
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<tr>
<th>JUNIOR</th>
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<tbody>
<tr>
<td>EEC100</td>
<td>Circuits II</td>
<td>EEC110A</td>
<td>Electronic Circuits</td>
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<tr>
<td>EEC140A</td>
<td>Device Physics</td>
<td>EEC130A</td>
<td>Electromagnetics</td>
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<tr>
<td>EEC180A</td>
<td>Digital Systems</td>
<td>EEC150A</td>
<td>Signals &amp; Systems</td>
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<th>SENIOR</th>
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<tr>
<td>EEC150B</td>
<td>Signals &amp; Systems II</td>
<td>EEC112</td>
<td>Communication Electronics</td>
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<tr>
<td>EEC195A</td>
<td>NATCAR Design Project</td>
<td>EEC195B</td>
<td>NATCAR Design Project</td>
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<tr>
<td>EEC116</td>
<td>VLSI Design</td>
<td>EEC172</td>
<td>Embedded Systems</td>
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<tr>
<td>EEC196</td>
<td>Issues in Eng. Design</td>
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<td>GE Elective</td>
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<tr>
<td>EEC170</td>
<td>Computer Architecture</td>
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+ Be sure to check with catalog and advisor to fulfill degree requirements

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**Total Units for Degree Requirement in Electrical Engineering – 180**

In addition to the courses listed above, you may need to complete an appropriate number of unrestricted electives in order to meet the campus requirement of having completed at least 180 units prior to graduation.

For assistance with schedule modifications, consult the ECE Staff Advisor.