Minor in Electrical Engineering

The Minor in Electrical Engineering consists of 16 credit hours representing fundamental areas of knowledge in the field of Electrical Engineering. Undergraduate students interested in the minor in Electrical Engineering must select the coursework with an advisor in order to receive the minor. The main objective of the program is to offer interested students with GPAs of 3.00 or above in any field of study other than Electrical Engineering, the opportunity to enhance their capabilities in their own profession by developing expertise in an area of high demand. These courses generally have prerequisites, and their enrollment will need approval by the Electrical and Computer Engineering Department.

Minor Program Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 2301</td>
<td>Electric Circuits I</td>
<td>3</td>
</tr>
<tr>
<td>ECE 2303</td>
<td>Digital Systems Design I</td>
<td>4</td>
</tr>
<tr>
<td>&amp; ECE 2102</td>
<td>and Lab for ECE 2302</td>
<td></td>
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<tr>
<td><strong>Prescribed Electives</strong></td>
<td></td>
<td>9</td>
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<tr>
<td>Select at least 9 hours from the following:</td>
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<tr>
<td>ECE 1300</td>
<td>Intro to Elect/Comp Eng</td>
<td></td>
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<tr>
<td>&amp; ECE 1100</td>
<td>and Lab for ECE 1300</td>
<td></td>
</tr>
<tr>
<td>ECE 2331</td>
<td>Cont. Time Signals &amp; Systems</td>
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<tr>
<td>ECE 2303</td>
<td>Digital Systems Design I</td>
<td></td>
</tr>
<tr>
<td>&amp; ECE 2103</td>
<td>and Lab for ECE 2303</td>
<td></td>
</tr>
<tr>
<td>ECE 3320</td>
<td>Electromagnetic Field Theory</td>
<td></td>
</tr>
<tr>
<td>ECE 3344</td>
<td>Fund. of Semiconductor Dev</td>
<td></td>
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<tr>
<td>ECE 3341</td>
<td>Electronics I</td>
<td></td>
</tr>
<tr>
<td>&amp; ECE 3141</td>
<td>and Lab for ECE 3341</td>
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<tr>
<td>ECE 3342</td>
<td>Electronics II</td>
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<tr>
<td>ECE 3331</td>
<td>Discrete Time Signals &amp; Sys</td>
<td></td>
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<tr>
<td>ECE 3XXX/ECE 4XXX, Optional by Department Approval (at most 4 hours)</td>
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