MINOR IN ELECTRICAL ENGINEERING

REQUIREMENTS

The curriculum consists of prerequisite, core, and elective courses. Excluding prerequisite courses, 17 credits are required for the minor; for students entering in 2020 or after, at least 9 of those credits must be in courses not required for the major.

Students must have a 2.2 GPA or above in required and elective ECE courses taken for the minor in order to fulfill minor requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td><strong>Prerequisites</strong></td>
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<td></td>
<td>The following courses must be completed before beginning the minor:</td>
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<tr>
<td>PHYS 1022</td>
<td>University Physics II *</td>
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<tr>
<td>or PHYS 1026</td>
<td>University Physics II with Biological Applications</td>
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<tr>
<td>APSC 2113</td>
<td>Engineering Analysis I *</td>
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<td></td>
<td><strong>Core</strong></td>
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<tr>
<td>ECE 2110</td>
<td>Circuit Theory</td>
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<tr>
<td>ECE 2115</td>
<td>Engineering Electronics</td>
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<tr>
<td>ECE 2210</td>
<td>Circuits, Signals, and Systems</td>
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<td></td>
<td><strong>Electives</strong></td>
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<td>Two of the following:</td>
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<tr>
<td>ECE 3220</td>
<td>Introduction to Digital Signal Processing</td>
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<tr>
<td>ECE 3125</td>
<td>Analog Electronics Design</td>
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<tr>
<td>ECE 3130</td>
<td>Digital Electronics and Design *</td>
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<tr>
<td>ECE 3315</td>
<td>Fields and Waves I *</td>
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<td>ECE 3410</td>
<td>Communications Engineering *</td>
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<tr>
<td>ECE 3520</td>
<td>Microprocessors: Software, Hardware, and Interfacing *</td>
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<tr>
<td>ECE 4415</td>
<td>Introduction to Computer Networks</td>
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<td>ECE 4425</td>
<td>Data Communications Laboratory</td>
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<td>ECE 4610</td>
<td>Electrical Energy Conversion</td>
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<tr>
<td>ECE 4620</td>
<td>Electrical Power Systems</td>
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* Requires additional prerequisites.