MINOR IN COMPUTER ENGINEERING

Requirements
Students must follow these guidelines in order to qualify for this minor:

• No more than 6 credits hours may be taken outside the ECE department.
• Students must maintain a minimum 2.0 grade point average in all ECE courses taken.
• Students with a major in Electrical Engineering wishing to add a minor in Computer Engineering must take 6 Computer Engineering course credit hours in addition to those needed to satisfy their degree requirements.

Curriculum Requirements
Students wishing to minor in Computer Engineering must satisfy 18 credits hours specified as follows:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>Core Courses</td>
<td></td>
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</tr>
<tr>
<td>ECE 118</td>
<td>Introduction to Programming</td>
<td>3</td>
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<tr>
<td>ECE 211</td>
<td>Logic Design</td>
<td>3</td>
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<tr>
<td>ECE 212</td>
<td>Processors: Hardware, Software, and Interfacing</td>
<td>3</td>
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<tr>
<td>ECE 218</td>
<td>Data Structures</td>
<td>3</td>
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<td>Select a minimum of 6 credit hours of computer engineering electives from the following:</td>
<td>6</td>
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<tr>
<td>ECE 315</td>
<td>Digital Design Laboratory</td>
<td></td>
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<tr>
<td>ECE 316</td>
<td>Structured Digital Design</td>
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<tr>
<td>ECE 318</td>
<td>Algorithms</td>
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<tr>
<td>ECE 322</td>
<td>Systems Programming</td>
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<tr>
<td>ECE 412</td>
<td>Software Engineering and Architecture</td>
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<tr>
<td>ECE 413</td>
<td>Software Design and Verification</td>
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<tr>
<td>ECE 414</td>
<td>Computer Organization and Design</td>
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<tr>
<td>ECE 421</td>
<td>Computer Operating Systems</td>
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<tr>
<td>ECE 454</td>
<td>Digital System Design and Testing</td>
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<tr>
<td>ECE 455</td>
<td>and Design-for-Testability Laboratory</td>
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<tr>
<td>ECE 467</td>
<td>Database Design and Management</td>
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<td>ECE 511</td>
<td>Computability, Complexity, and Algorithms</td>
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<tr>
<td>ECE 534</td>
<td>Communication Networks</td>
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<tr>
<td>ECE 537</td>
<td>Principles of Artificial Intelligence</td>
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<tr>
<td>ECE 548</td>
<td>Machine Learning</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 18