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>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 118</td>
<td>Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>ECE 211</td>
<td>Logic Design</td>
<td>3</td>
</tr>
<tr>
<td>ECE 212</td>
<td>Processors: Hardware, Software, and Interfacing</td>
<td>3</td>
</tr>
<tr>
<td>ECE 218</td>
<td>Data Structures</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a minimum of 6 credit hours of computer engineering electives from the following:

- ECE 315  Digital Design Laboratory
- ECE 316  Structured Digital Design
- ECE 318  Algorithms
- ECE 322  Systems Programming
- ECE 412  Software Engineering and Architecture
- ECE 413  Software Design and Verification
- ECE 414  Computer Organization and Design
- ECE 421  Computer Operating Systems
- ECE 454  Digital System Design and Testing
- & ECE 455 and Design-for-Testability Laboratory
- ECE 467  Database Design and Management
- ECE 511  Computability, Complexity, and Algorithms
- ECE 534  Communication Networks
- ECE 537  Principles of Artificial Intelligence
- ECE 548  Machine Learning

Total Credit Hours 18