MINOR IN COMPUTER ENGINEERING

Students wishing to minor in Computer Engineering must satisfy the following requirements:

<table>
<thead>
<tr>
<th>Core Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 118  Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>ECE 218  Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>ECE 304  Logic Design</td>
<td>3</td>
</tr>
<tr>
<td>ECE 312  Processors: Hardware, Software, And Interfacing</td>
<td>4</td>
</tr>
</tbody>
</table>

Select a minimum of 5 credit hours of computer engineering electives of the following:

- ECE 315  Digital Design Laboratory
- ECE 316  Structured Digital Design
- ECE 318  Algorithms
- ECE 322  Systems Programming
- ECE 414  Computer Organization and Design
- ECE 454  Digital System Design and Testing
- ECE 455  Design-for-Testability Laboratory
- ECE 511  Computability, Complexity, And Algorithms
- ECE 512  Software Engineering and Architecture
- ECE 513  Software Design and Verification
- ECE 519  Design of Computing Languages
- ECE 521  Computer Operating Systems
- ECE 534  Communication Networks
- ECE 537  Principles of Artificial Intelligence
- ECE 548  Machine Learning
- ECE 567  Database Design and Management

**Total Credit Hours** 18

1. 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.

2. A minimum grade point average of 2.0 in all ECE courses taken.