COMPUTER ENGINEERING - MINOR

A student graduating with a bachelor’s degree from CU Boulder may also receive a minor in computer engineering.

The minor in computer engineering provides training in computer engineering beyond the training usually received by science and mathematics majors. It can also broaden the training of students majoring in other engineering and applied science fields to provide more depth in computer engineering. The goal is to introduce students to the fundamentals of computer engineering and introduce them to a more advanced field. Such skills are important to students who expect to participate in real-world situations that increasingly involve computer engineering solutions.

The minor is not available to students earning a Bachelor of Science degree in electrical engineering or electrical & computer engineering.

Requirements

Prerequisites

Students admitted to the computer engineering minor must have a cumulative GPA of 2.700 or better. The prerequisite for these courses is computing experience such as that provided by ECEN 1310 or CSCI 1300.

Required Courses and Credits

This minor requires a minimum of 19 credit hours. A cumulative GPA of 2.250 or better is required for courses used to satisfy the requirements of this minor. Each individual course that is counted toward this minor must be passed with a grade of D- or better (note that a C- or better grade is required in all prerequisite courses).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 2270</td>
<td>Computer Science 2: Data Structures</td>
<td>4</td>
</tr>
<tr>
<td>ECEN 2350</td>
<td>Digital Logic</td>
<td>3</td>
</tr>
<tr>
<td>ECEN 3350</td>
<td>Programming Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td>ECEN 3360</td>
<td>Digital Design Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>ECEN 4593</td>
<td>Computer Organization</td>
<td>3</td>
</tr>
</tbody>
</table>

Emphasis Area

Choose one:

- ECEN 4553  Compiler Construction
- ECEN 4583  Software System Development
- ECEN 4613
- ECEN 4623
- ECEN 5593  Advanced Computer Architecture

Total Credit Hours 19