COMPUTER ENGINEERING (MINOR)

This program was approved for students entering the university in the Summer 2023–Spring 2024 catalog year. For more information about catalog year, go to Catalog Year Information (http://catalog.louisville.edu/undergraduate/university-wide-unit-specific-policies/catalog-year/).

Minor in Computer Engineering
Unit: Speed School of Engineering (http://engineering.louisville.edu) (SS)
Department: Computer Science and Engineering (http://engineering.louisville.edu/computer/)
Academic Plan Code: CECSMINOR

Program Requirements
The Minor in Computer Engineering program is for undergraduate students in the J.B. Speed School of Engineering (SSoE) who are majoring in disciplines other than Computer Science and Engineering (CSE).

Prerequisite for admission to the minor in Computer Engineering is admission in a SSoE Bachelor of Science program other than CSE. Students should see their advisor for admission details.

The Computer Engineering minor requires successful completion of the following 19 or 20 credit hours with a GPA of 2.25 or higher:

### Required Coursework

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSE 130</td>
<td>Introduction to C and C++ Programming Languages</td>
<td>3</td>
</tr>
<tr>
<td>CSE 302</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CSE 420</td>
<td>Design of Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSE/ECE 412</td>
<td>Introduction to Embedded Systems ¹</td>
<td>3</td>
</tr>
<tr>
<td>CSE 525/ECE 516</td>
<td>Microcomputer Design</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

- CSE 516/ ECE 518 | Fundamentals of Computer Communications and Networks ¹ | 3-4   |
- CSE 510/ ECE 511 or ECE 510/511 | Computer Design ¹ | |

**Minimum Total Hours** 19-20

**NOTE:** At least 9 semester hours must be successfully completed while enrolled at the University of Louisville.

¹ This course requires one or more prerequisite courses which are NOT included in the required coursework for the Computer Engineering minor.