COMPUTER ENGINEERING TECHNOLOGY - MINOR

College of Aeronautics and Engineering
www.kent.edu/cae

About This Program
The Computer Engineering Technology minor provides the foundation for students to study the design of network systems, telecommunications systems, networking hardware and computer hardware engineering and architecture technologies. Students have the opportunity to conceptualize, develop and analyze requirements engineering specifications for practical systems.

Contact Information
• cae@kent.edu | 330-672-2892
• Speak with an Advisor

Program Delivery
• Delivery:
  • In person
• Location:
  • Kent Campus

Admission Requirements
Admission to a minor is open to students declared in a bachelor’s degree, the A.A.B. or A.A.S. degree or the A.T.S. degree (not Individualized Program major). Students declared only in the A.A. or A.S. degree or the A.T.S. degree in Individualized Program may not declare a minor. Students may not pursue a minor and a major in the same discipline.

Program Requirements

Minor Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 10005</td>
<td>INTRODUCTION TO CYBERSECURITY</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 26305</td>
<td>NETWORKING I</td>
<td>2</td>
</tr>
<tr>
<td>ENGR 26306</td>
<td>NETWORKING I LABORATORY</td>
<td>2</td>
</tr>
<tr>
<td>ENGR 36337</td>
<td>INFORMATION TECHNOLOGY SECURITY</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 46316</td>
<td>SERVER ADMINISTRATION AND CONFIGURATION I</td>
<td>3</td>
</tr>
</tbody>
</table>

Minor Elective(s), choose from the following: 3-4

- CS 13001 COMPUTER SCIENCE I: PROGRAMMING AND PROBLEM SOLVING
- or CS 13011 COMPUTER SCIENCE IA: PROCEDURAL PROGRAMMING
- & CS 13012 and COMPUTER SCIENCE IB: OBJECT ORIENTED PROGRAMMING
- or ENGR 26220 PROGRAMMING FOR ENGINEERS
- & ENGR 26222 and PROGRAMMING FOR ENGINEERS LABORATORY

- ENGR 23010 COMPUTER HARDWARE
- ENGR 33222 DIGITAL DESIGN FOR COMPUTER ENGINEERING
- ENGR 36305 NETWORKING II
- & ENGR 36306 and NETWORKING II LABORATORY

Minimum Total Credit Hours: 16

Graduation Requirements

<table>
<thead>
<tr>
<th>Minimum Minor GPA</th>
<th>Minimum Overall GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.000</td>
<td>2.000</td>
</tr>
</tbody>
</table>

- Minimum 6 credit hours in the minor must be upper-division coursework (30000 and 40000 level).
- Minimum 6 credit hours in the minor must be outside of the course requirements for any major or other minor the student is pursuing.
- Minimum 50 percent of the total credit hours for the minor must be taken at Kent State (in residence).

Program Learning Outcomes

Graduates of this program will be able to:

1. Demonstrate basic applied knowledge of cybersecurity, computer hardware, networking hardware and information technology security.