COMPUTER ENGINEERING TECHNOLOGY - MINOR

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

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

Fully Offered
- Delivery: In person
- Location: Kent Campus

Description
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 will have the opportunity to conceptualize, develop and analyze requirements engineering specifications for practical systems.

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 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.

Program Requirements

Minor Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ENGR 20005</td>
<td>INTRODUCTION TO CYBERSECURITY</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 26301</td>
<td>NETWORKING HARDWARE I</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 36337</td>
<td>INFORMATION TECHNOLOGY SECURITY</td>
<td>3</td>
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<tr>
<td>ENGR 46316</td>
<td>SERVER ADMINISTRATION AND CONFIGURATION I</td>
<td>3</td>
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Minor Elective, choose from the following: 3

- ENGR 23010 | COMPUTER HARDWARE
- ENGR 26200 | PROGRAMMING FOR ENGINEERS I
- ENGR 33222 | DIGITAL DESIGN FOR COMPUTER ENGINEERING
- ENGR 36302 | NETWORKING HARDWARE II
- ENGR 46300 | NETWORK SECURITY

Minimum Total Credit Hours: 16

Graduation Requirements

<table>
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<tr>
<th>Minimum Minor GPA</th>
<th>Minimum Overall GPA</th>
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- 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).