# CYBERSECURITY - MINOR

## Program Requirements

Select one of the following tracks:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Engineering Track</strong></td>
<td></td>
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<tr>
<td>CSCE 313</td>
<td>Introduction to Computer Systems</td>
<td>4</td>
</tr>
<tr>
<td>CSCE 410</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>CSCE 465</td>
<td>Computer and Network Security</td>
<td>3</td>
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</tbody>
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Select 6 hours from the following:

- CSCE 402 Law and Policy in Cybersecurity
- CSCE 451 Software Reverse Engineering
- CSCE 463 Networks and Distributed Processing
- CSCE 485 Directed Studies
- CYBR 403/ CYSE 477 Cybersecurity Risk
- CYBR 484 Professional Internship
- CYBR 485 Directed Studies
- CYBR 491 Research
- ESET 269 Embedded Systems Development in C
- ESET 315 Local-and-Metropolitan-Area Networks
- ESET 349 Microcontroller Architecture
- ESET 415 Advanced Network Systems and Security
- ESET 419 Engineering Technology Capstone I
- ESET 420 Engineering Technology Capstone II
- ESET 456 Embedded Sensors and Internet of Things (IoT) Systems
- ESET 457 Technical Network Capstone

**Total Semester Credit Hours**: 16

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<tbody>
<tr>
<td></td>
<td><strong>Technology track</strong></td>
<td></td>
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<tr>
<td>ITSV 308</td>
<td>Cybersecurity and Digital Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 13 hours from the following:

- CSCE 402 Law and Policy in Cybersecurity
- CYBR 403/ CYSE 477 Cybersecurity Risk
- ESET 415 Advanced Network Systems and Security
- ESET 420 Engineering Technology Capstone II
- ESET 456 Embedded Sensors and Internet of Things (IoT) Systems
- ITSV 303 Unix System Administration Practices
- ITSV 316 Database Systems Administration and Application
- TCMG 476 Technical Network Capstone

**Total Semester Credit Hours**: 16

1 Course must be approved by the Director of Interdisciplinary Engineering for inclusion in the minor and include applications in cybersecurity.

2 Course may be applied to latter category only if it is not applied above.
Minimum required GPA to declare minor is a 2.5.

Must make a grade of C or better in each course used towards minor.

Must achieve an overall GPA of 2.5 in approved minor coursework.

Minimum of 6 hours at 300-400 level.