

CYBERSECURITY MINOR

Description

The cybersecurity minor is designed to teach students about the risks faced by the software and hardware that they use every day, and learn how to protect themselves in an increasingly-hostile digital world. Technology has become a critical component of nearly every aspect of our lives, and this minor lets students work with the tools and techniques used by security professionals to both attack and defend these systems.

Requirements

Academic policies related to Minors.

Credit toward the minor will only be given for courses passed with C- or better, and a 2.00 grade-point average must be maintained in courses for the minor.

This minor may not be declared with the following majors:

- Computer Science Major: Cybersecurity Option (B.A.)
- Information Technology Major (B.S.)

| Code | Title | Credits |
|--|---|-----------|
| Required Courses | | |
| CS 400 | Introduction to Computing | 2 |
| CS 415 | Introduction to Computer Science I | 4 |
| or CS 410C | Introduction to Scientific Programming/C | |
| or CS 410P | Introduction to Scientific Programming/Python | |
| CS 527 | Fundamentals of Cybersecurity | 4 |
| IT 666 | Cybersecurity Practices | 4 |
| Electives | | |
| Select two courses from the following: | | 8 |
| CS 420 | Foundations of Programming for Digital Systems | |
| CS 520 | Computer Organization and System-Level Programming | |
| CS 727 | Software Security | |
| IT 520 | Foundations of Information Technology | |
| IT 718 | Cloud Computing Principles | |
| HLS 410 | Introduction to Homeland Security | |
| HLS 415 | Fundamentals of Corporate Security | |
| HLS 455 | Introduction to Cybersecurity | |
| HLS 515 | Critical Infrastructure Security and Resilience | |
| BIOL 420 | Introduction to Forensic Sciences | |
| JUST 405 | Technology, Crime, and Society: A Forensic Exploration of High-Tech and Digital Crime | |
| Total Credits | | 22 |