Crookston Campus

Cybersecurity & Information Assurance Minor

Math, Science and Technology

Academic Affairs

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Fall 2021
- Required credits in this minor: 25

This minor is intended for students who are studying in a computer-related field (software engineering, information technology management). In addition, students from other programs with sufficient IT background will be able to enroll in this minor with the goal of enabling them to work in cyber security. The minor consists of courses designed to provide students with both the technical background and the hands-on experiences along with the theoretical background that gives them a competitive edge in cybersecurity jobs.

Program Delivery

This program is available:
- completely online (all program coursework can be completed online)

Minor Requirements

Core

Take 19 or more credit(s) from the following:
- GBUS 1005 - Orientation to Online Learning (1.0 cr)
- ITM 3110 - Microcomputer Operating Systems (3.0 cr)
- NT 3120 - Networking Standards and Protocols (3.0 cr)
- NT 3215 - Information Assurance and Cybersecurity (3.0 cr)
- SE 2100 - Microcomputer Systems Architecture (3.0 cr)
- SE 3250 - Cybercrime and Digital Forensics (3.0 cr)
- Take exactly 3 credit(s) from the following:
  - SE 2050 - Introduction to Programming I (3.0 cr)
  - SE 2070 - Introduction to Programming II (3.0 cr)

Electives

Take 6 or more credit(s) from the following:
- HI 3060 - Secure Data Collection and Retrieval (3.0 cr)
- HI 3215 - Health Information Assurance and Security (3.0 cr)
- SE 3510 - Essentials of Cybersecurity (3.0 cr)

Program Sub-plans

A sub-plan is not required for this program.

Online

Required credits in this minor: 25
The curriculum requirements for the online minor are the same as the on-campus minor.