



Crookston Campus

Information Technology Management Minor

Math, Science and Technology

Academic Affairs

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Spring 2021
- Required credits in this minor: 18 to 19

An information technology management minor gives students a general background in technology, computer applications, services, and systems.

Students completing the information technology management minor will:
demonstrate abilities in the use of information systems hardware, operating systems, and industry leading computer applications

use computer technology in preparing programs, presentations, and written reports

demonstrate the ability to communicate clearly and concisely in written and oral communications through technical reports, solutions to information technology problems, and feasibility studies

demonstrate human relations and career/life adaptability skills in problem solving, decision making, and responding to change

demonstrate an environmental perspective in the development of solutions for business and information technology problem solving

demonstrate global and ethical perspectives in information technology management

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Minor Requirements

Information Technology Management Core

Take exactly 3 course(s) totaling exactly 9 credit(s) from the following:

- [SE 2050](#) - Introduction to Programming I (3.0 cr)
- [SE 3050](#) - Database Management Systems (3.0 cr)
- [ITM 3110](#) - Microcomputer Operating Systems (3.0 cr)

Information Technology Management Electives

Take 9 or more credit(s) from the following:

- [SE 2070](#) - Introduction to Programming II (3.0 cr)
- [NT 3120](#) - Networking Standards and Protocols (3.0 cr)
- [ITM 3130](#) - Messaging Systems (3.0 cr)
- [ITM 3190](#) - Topics in Information Technology Management (3.0 cr)
- [NT 3215](#) - Information Assurance and Cybersecurity (3.0 cr)
- [ITM 4020](#) - Analysis and Design of Information Systems (3.0 cr)

Program Sub-plans

A sub-plan is not required for this program.

Online

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use computer technology in preparing programs, presentations, and written reports

demonstrate the ability to communicate clearly and concisely in written and oral communications through technical reports, solutions to information technology problems, and feasibility studies

demonstrate human relations and career/life adaptability skills in problem solving, decision making, and responding to change

demonstrate an environmental perspective in the development of solutions for business and information technology problem solving

demonstrate global and ethical perspectives in information technology management

The Information Technology Management Minor Online has the same curriculum as the on-campus Information Technology Management Minor with the exception of a one-credit technology requirement.

Technology

Take exactly 1 course(s) totaling exactly 1 credit(s) from the following:

- [GBUS 1005](#) - Orientation to Online Learning (1.0 cr)