

Information Management (BS)

This program is offered by the Walker School of Business & Technology/Math & Computer Science Department.

Program Description

Students in this major apply their technical skills to solving business problems. They will learn business skills including accounting and organizational theory. The design and implementation of databases is covered, along with how to plan for new and modified information systems.

Following this program, students will be comfortable talking with the technical professionals and with managers at every level; they become a bridge between the worlds of the technicians and the business professionals. The focus is on using the right technology in the right business setting. Project management skills are introduced, which enable a project to be kept on-budget and on-time.

Graduates from this program will be qualified to produce results that move the organization forward and will become key professionals in making it successful.

Learning Outcomes

- Students will demonstrate critical thinking skills in the field of computer science.
- Students will demonstrate the ability to solve problems related to the program content.
- Students will demonstrate an understanding of the concepts and principles of software systems.
- Students will analyze, design and document a system component using appropriate computer science techniques and models.
- Students will make a formal presentation of a software system project including the demonstration of a working application.
- Students will demonstrate an understanding of fundamental business systems and management skills.

Degree Requirements

A minimum of 128 credit hours consisting of the following:

- 51 required credit hours
- Applicable University Global Citizenship Program hours
- Electives

At least 18 of the required 36 computer science credit hours must be taken at Webster University.

All upper-level courses must be taken at Webster University.

Required Courses

- COSC 1550 Computer Programming I (3 hours)
- COSC 1560 Computer Programming II (3 hours)
- COSC 1570 Math for Computer Science (3 hours)
- COSC 2610 Operating Systems (3 hours)
- COSC 2670 Telecommunications (3 hours)
- COSC 2810 Systems Analysis and Design (3 hours)
- COSC 3410 Computer Security (3 hours)
- COSC 3500 IT Project Management (3 hours)
- COSC 4110 Database Concepts (3 hours)
- COSC 4120 Database Applications (3 hours)
- COSC 4810 Information System I (3 hours)
- COSC 4820 Information System II (3 hours)

Students who do not have a second major or a minor in business or management are required to take the following courses:

- ACCT 2010 Financial Accounting (3 hours)
- ACCT 2025 Managerial Accounting (3 hours)
- MNGT 2100 Management Theory and Practices (3 hours)
- Two elective courses from the business or management departments (6 hours)