Information Technology

48 credits
Bachelor of Science

Information Technology is concerned with the problem of managing, using, and communicating information to support decision making and with the task of finding the proper combination of people, procedures, and technology for the design of effective information systems.

### Employment:
- *Computer repair*
- *Cybersecurity*
- *Database administration*
- *Network support*
- *Project management*
- *Software development*
- *Software quality assurance*
- *User consulting*

### Core Courses
**6 courses - 18 credits**
- INFSCI 0010  Introduction to Information Systems and Society
- CS 0421  Programming Using Java
- CS 0422  Advanced Programming Using Java
- INFSCI 1022  Database Management Systems
- INFSCI 1044  Human Factors in System Design
- INFSCI 1070  Introduction to Telecommunications and Networks

### Electives
**5 courses - 15 credits**
Any INFSCI courses not used to fulfill another requirement may be taken as an elective. Possible electives include:
- INFSCI 1037  Information Technology Project Management
- INFSCI 1038  Management Information Systems
- INFSCI 1052  User Centered Design
- INFSCI 1053  Digital Forensics
- INFSCI 1058  Web Programming
- INFSCI 1068  Geospatial Information Systems
- INFSCI 1072  Introduction to Wireless Networks
- INFSCI 1073  Application Development for Mobile Devices
- INFSCI 1074  Computer Security
- INFSCI 1160  Data Mining

### Related Area
**4 courses - 12 credits**
Take four courses from a single department such as Management, Psychology, Communication, or Mathematics. Other departments in the Natural Sciences, Behavioral Sciences, and Humanities may also be used as a related area.

Students may also choose a Minor rather than a related area which is often a total of 15 credits, depending upon the chosen Minor.

### Capstone Requirement
**1 course - 3 credits**
- INFSCI 1080  Independent Study OR
- INFSCI 1085  Internship OR

**NOTE:**
Information Technology students must complete all core, elective, related area, and capstone courses in the major with a grade of a C- or better.