# COMPUTER INFORMATION TECHNOLOGY

In its broadest sense, Computer Information Technology (CIT) encompasses all computing technology aspects. As an academic discipline, CIT focuses on meeting the needs of users within an organizational and societal context through the selection, creation, application, integration and administration of computing technologies. In addition to a strong technical computer foundation, this program provides significant knowledge of how businesses work.

## PROGRAMS

#### DEGREES AND CERTIFICATES

- Bachelor of Science in Computer Information Technology
- Database Technologies Certificate
- Information Security Certificate
- Networking Technologies Certificate
- Software Development Certificate

#### ABOUT THE PROGRAM

The Computer Information Technology (CIT) major is designed to prepare the student for a career in a typical corporate IT department. A non-computing minor must accompany this major. The Management Information Systems (MIS) major combines Information Technology courses with courses from the College of Business.

### **REAL-WORLD CONNECTIONS**

#### SKILLS AND TALENTS

- Computer Skills
- Design and Analytical Skills
- Cloud Computing
- Virtualization
- Organization
- Project Management

#### CAREERS

- Software Engineer
- Systems Administrator
- Solutions Architect
- Database Administrator
- Web Developer
- IT Security Engineer

#### **EMPLOYERS**

- 3M
- Best Buv
- Blue Cross Blue Shield
- Maverick Software Consulting
- Securian Financial
- Taylor Corporation

### **INSPIRED ACTION**

### **EMPLOYMENT RATE 95%**

of program graduates begin their careers within one year of graduation.

Graduates: 324 Respondents: 279 link.mnsu.edu/graduate-follow-up

#### **MEDIAN SALARY**

\$100,530

The median annual wage for Computer and Information Technology Occupations in May 2022.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Computer and Information Technology occupations, at link.mnsu. edu/computer-information-technology-salary

### **PROGRAM WEBSITE**



cset.mnsu.edu/cit

**MINNESOTA STATE** 

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#### SAMPLE FOUR-YEAR PLAN - COMPUTER INFORMATION TECHNOLOGY, BS

First Year (Fall)	First Year (Spring)
ENG 101 Foundations of Writing & Rhetoric (4)	MATH 113 Trigonometry (3)
MATH 112 College Algebra (4)	CIS 121 Introduction to Programming (4)
General Education Course (4)	CIS 202W Computers in Society
General Education Course (4)	General Education Course (3)
Second Year (Fall)	Second Year (Spring)
Math 121 Calculus I (4)	STAT 154 Elementary Statistics (4)
CIS 122 Data Structures (4)	ENG 271W Technical Communication (4)
CIS 340 Introduction to Database Systems (4)	CIS 350 Information Security (4)
General Education Course (3)	CIS 380 Systems Analysis and Design (4)
Third Year (Fall)	Third Year (Spring)
CIS 223 Algorithms (4)	CIS 224 Computer Architecture (4)
CIS 440 Database Management Systems (4)	CIS 360 Introduction to Networking (4)
General Education Course (3)	General Education Course (3)
Elective Course in Minor (4)	General Education Course (4)
Fourth Year (Fall)	Fourth Year (Spring)
General Education Course (3)	Elective Course in Major (4)
Elective Course in Major (4)	Elective Course in Major (4)
Elective Course in Minor (4)	Elective Course in Minor (4)
Other Graduation Requirements Course (3)	Other Graduate Requirements Course (4)

# For more information about program requirements, visit: <u>mnsu.edu/academics/academic-catalog</u>

#### LEARN MORE

**Department of Computer Information Science** 273 Wissink Hall 507-389-1412

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