# COMPUTER APPLICATION DEVELOPMENT

The Computer Application Development major enables students to become developers who can deploy appropriate technology to solve problems in businesses and organizations. Obtaining a major in Computer Application Programming Systems prepares students for a variety of career opportunities. Our program prides itself on developing individuals with strong technical and analytical skills, effective communication abilities, and project development knowledge.

## PROGRAMS

### DEGREES AND CERTIFICATES

- Bachelor of Applied Science in Computer Application Development

### ABOUT THE PROGRAM

The Bachelor of Arts in Computer Application Development requires students to have already completed an AS or AAS at an accredited school in computer science, information technology or related area with a GPA of at least 2.5.

## REAL-WORLD CONNECTIONS

### SKILLS AND TALENTS

- Computer Skills
- Programming Skills
- Software Knowledge
- Data Structures and Algorithms
- Database Knowledge
- Version Control

### CAREERS

- Computer Programmer
- Network Administrator
- Web Developer
- Systems Analyst
- Quality Assurance Engineer
- Database Administrator

### EMPLOYERS

- 1SEO
- Bridges MN
- UHG
- Maverick Software Consulting
- Thomson Reuters
- The Software House

## INSPIRED ACTION

### EMPLOYMENT RATE

**100%**

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

Graduates: 3
Respondents: 3
link.mnsu.edu/graduate-follow-up

### MEDIAN SALARY

**$124,200**

The median annual wage for Software Developers, Quality Assurance Analysts, and Testers in May 2022.

Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Software Developers, Quality Assurance Analysts, and Testers, at link.mnsu.edu/computer-application-development-salary

### PROGRAM WEBSITE

cset.mnsu.edu/cad

MINNESOTA STATE

Minnesota State University, Mankato
A member of Minnesota State

A member of the Minnesota State system and an Affirmative Action/Equal Opportunity University. This document is available in alternative format to individuals with disabilities by calling Accessibility Resources at 507-389-2825, (V), 800-627-3529 or 711 (MRS/TTY).

# COURSE CURRICULUM AND REQUIREMENTS

| First Year (Fall) | First Year (Spring) |
|---|---|
| MATH 115 Precalculus Mathematics (4)<br>CIS 340 Introduction to Database Systems (4)<br>CIS 350 Information Security (4) | STAT 154 Elementary Statistics (4)<br>CIS 380 Systems Analysis and Design (4)<br>CIS 497 Internship  (2) |
| Second Year (Fall) | Second Year (Spring) |
| ENG 272W Business Communication (4)<br>CIS 497 Internship (2)<br>Elective Course in Major (4)<br>Elective Course in Major (4) | CIS 497 Internship (2)<br>Elective Course in Major (4)<br>Elective Course in Major (4)<br>Elective Course in Major (4) |

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

## LEARN MORE

**Department of Computer Information Science**
273 Wissink Hall
507-389-1412
csetadvising@mnsu.edu

## NOTES

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____