

# Information Systems

This program provides a basic foundation of knowledge in the computing area and the ability to apply computer theory to business applications. Graduates find employment in organizations ranging from small firms to large corporations as computing technicians, providers of help desk services and software trainers.

The Information Systems associate degree is a great way to enter the work force with a degree under your belt. It will also benefit you by applying towards a four-year business degree should you choose to go that path later in life.

Job opportunities in the technology areas are diverse and growing in number. Graduates of NMU's program find employment in organizations ranging from small firms to large corporations. People-oriented career paths lead to positions as computer consultants, analysts, trainers, help desk managers, and high tech marketers. Alternate careers as software programmers, database managers, Internet specialists, and network administrators tie technical skills to the support and use of computer systems.

## Skills and Competencies

As in most other fields, strong interpersonal communication and organizational skills are a must for a professional. Other valuable skills and competencies specific to the Information Systems professions are: a commanding knowledge of relevant application software, technical reporting ability, the ability to work independently or with project teams. and systems design capabilities.

## Course Work

This degree includes the following courses as part of the program requirements, and specific major requirements along with general education and graduation requirements.

### Computer Information Systems Core

- CIS100 Computer Concepts (2 cr.)
- CIS155 Software Development I (4 cr.) or CS120 Computer Science I (4 cr.)
- CIS212 Computer Assisted Problem Solving (2 cr.)
- CIS226 Intro. To Networks and Security (4 cr.)
- CIS250 Systems Analysis and Design (4 cr.)

### Business Electives

Choose 4 credits form College of Business courses 100-299 not otherwise required.

### Other Required Courses

- ACT230 Principles of Accounting I (4 cr.)
- ACT240 Principles of Accounting II (4 cr.)
- SP100 Public Address (4 cr.) or SP110 Interpersonal Communication (4 cr.) or SP120 Small Group Process (4 cr.)

### General Electives (6 cr.)

#### \*Recommended Courses:

- CS101 Web Site Construction (4 cr.)
- EC201 Microeconomic Principles (4 cr.)
- EC202 Macroeconomic Principles (4 cr.)

Detailed course descriptions can be found at [www.nmu.edu/bulletin](http://www.nmu.edu/bulletin).

## Career Development

You should begin the resume-building process as soon as you can. The Academic and Career Advice Center can assist you with career planning, while Career Services will help you fine tune your resume and look for jobs related to your field. In the meantime, the more hands-on experience you have, the better the chances are that you will find a job. Becoming involved in a professional related internship is a way to develop your professional skills and gain experience. Your academic course work is important as well, so be sure to maintain a high grade point average.

## Additional Considerations

Information Systems is an Associate of Business degree requiring 64 credits to complete. Ideally, this would take two years at 32 credits a year. This would work out to 16 credits a semester.

## Job Outlook

Jobs in the computing field are expected to continue to grow in the coming years. Average salaries range from \$30,000 to \$40,000.

# Potential Careers

NMU's Information Systems Program prepares students for employment in the following careers:

Database Administrator

E-Business Consultant

End User Trainer

Information Systems

Interface Designer

Network Administrator

Software Support Technician

Systems Analyst

Technical Sales Representative

Technology Consultant

Technology Support Specialist

Training Development Consultant

Web Developer

# Additional Resources and Information

For Career Planning and Opportunities:  
Academic & Career Advisement Center  
3302.1 C.B. Hedgcock  
906-227-2971  
103 Jacobetti Complex  
906-227-2283  
[www.nmu.edu/acac](http://www.nmu.edu/acac)

College of Business  
301 Cohodas  
906-227-2960  
[www.nmu.edu/business](http://www.nmu.edu/business)

For Job Search, Resume and Career Information:  
Career Services  
3302.3 C.B. Hedgcock  
906-227-2800  
[www.nmu.edu/careers](http://www.nmu.edu/careers)

For Information about NMU Student Organizations Associated with this Major Contact:  
Center for Student Enrichment  
1206 University Center  
906-227-2439  
[www.nmu.edu/cse](http://www.nmu.edu/cse)

Internet Resource Links:  
[www.careers.org](http://www.careers.org)  
[www.bls.gov](http://www.bls.gov)

For Career Information with National Organizations:  
[www.iacis.org](http://www.iacis.org) -International Assoc. of Computer Information Systems



**NORTHERN MICHIGAN  
UNIVERSITY**

The Academic & Career Advisement Center  
2020



What to do with  
a major in...

**Information Assurance  
& Cyber Defense**

Associate's Degree

