

# Information Systems

Are you interested in putting technology to work for yourself and others? Are you curious about how computer systems operate? Do you like to help others with their technical computer problems? Are you looking for a fast-paced, highly adaptive, and potentially lucrative career? If you answered "yes" to any of the above, a career in Information Systems might be for you.

Job opportunities in the technology 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.

The curriculum offered in the Bachelor's degree properly prepare a student for their chosen career. The combination of technical training and business knowledge offered by NMU's Information Systems program is favored by employers, and prepares students for career advancement.

## Skills and Competencies

As in most other fields, strong interpersonal communication and organizational skills are a must for any professional. Other valuable skills and competencies 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 courses and graduation requirements.

### Business Core

- ACT230 Principles of Accounting I (4 cr.)
- ACT240 Principles of Accounting II (4 cr.)
- FIN 351 Financial Management I (4 cr.)
- MGT221 Business Law I (4 cr.)
- MGT240 Organizational Behavior Mgt. (4 cr.)
- MGT325 Operations Management (4 cr.)
- MGT344 Managerial Communications (4 cr.)
- MKT230 Introduction to Marketing (4 cr.)

### Information Systems Core

- CIS100 Computer Concepts (2 cr.)
- CIS155 Software Development (4 cr.) or CIS120 Computer Science (4 cr.)
- CIS222 Quantitative Business Problem Solving (4 cr.)
- CIS226 Introduction to Networks and Security (4 cr.)
- CIS250 Systems Analysis and Design (4 cr.)
- CIS415 Systems Development Project (2 cr.) or CIS491 Internship in CIS (1-8 cr.)
- CIS464 Database Management Systems (4 cr.)

### Business Electives (12 Cr.)

- Any CIS course not taken for the Core (1-8 cr.)
- MGT228 Customer Service (2 cr.)
- MKT470 E-Commerce and Marketing (4 cr.)
- CS101 Web Site Construction (4 cr.)
- CS120 Computer Science I (4 cr.)
- CS122 Computer Science II (4 cr.)

### Other Required Courses

- EC 201, EC 202, MA 103/104/111/115/161, MA 171, PY 100, and SP 100/110/120

## Career Development

You should begin the resume-building process as soon as you can. The Academic and Career Advise-ment 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

Potential occupations listed are only a sample of the careers available to those holding degrees in Information Systems. Some career options (especially those in education) will require schooling beyond the baccalaureate level. Internships and organizational affiliations may prove beneficial as well. In many cases, an advanced degree is required for managerial and administrative positions.

## Job Outlook

The Information Systems major should be well received into the workplace with job opportunities rising at faster than average pace. A 15% growth increase is projected for this field with starting salaries right around \$49,190 and opportunities abounding to make up to \$120,000 with experience.

# Potential Careers

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

Business Professor  
Database Administrator  
E-Business Consultant  
End User Trainer  
Information Systems  
Information Tech. Manager  
Interface Designer  
LAN Manager  
Network Administrator  
Software Support Technician  
Systems Analyst  
Technical Sales Representative  
Technology Consultant  
Technology Support Specialist  
Training and 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  
[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)

Business Professionals of America (BPA)  
[www.bpa.org](http://www.bpa.org)

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

For Career Information with National Organizations:  
[www.iccp.org](http://www.iccp.org) -Inst. for Certification of Computing Professionals  
[www.aisnet.org](http://www.aisnet.org) -Assoc. for Information Systems



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UNIVERSITY**

The Academic & Career Advisement Center  
2018



What to do with  
a major in...

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