

Business Analyt- ICS

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.)

Business Analytics Core

- CIS100 Computer Concepts (2 cr.)
- CS202 Python (4 cr.)
- CIS222 Quantitative Business Problem Solving (4 cr.)
- CIS250 Systems Analysis & Design (4 cr.)
- CIS351 User Interface Design (4 cr.)
- CIS410 CIS Analytics for Decision Support (4 cr.)
- CIS422 Data Mining (4 cr.)
- CIS464 Database Management Systems (4 cr.)

Other Required Courses

- EC 201, EC 202, MA 113/115/161, MA 109, PSY 100, and SP 100/110/120

Detailed course descriptions can be found at 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

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 Business Analytics 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

College of Business
301 Cohodas
906-227-2960
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

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

Business Professionals of America (BPA)
www.bpa.org

Internet Resource Links:
www.careers.org
www.bls.gov

For Career Information with National Organizations:
www.iccp.org -Inst. for Certification of Computing Professionals
www.aisnet.org -Assoc. for Information Systems



**NORTHERN MICHIGAN
UNIVERSITY**

The Academic & Career Advisement Center
2021



What to do with
a major in...

Business Analytics

