Business Analytics

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.)
CIS410   CIS Analytics for Decision Support (4 cr.)
CIS422   Data Mining (4 cr.)
CIS464   Database Management Systems (4 cr.)

Electives Course (4 cr.)

Other Required Courses

EC 201   Microeconomic Principles (4 cr.)
EC 202   Macroeconomic Principles (4 cr.)
MA 113   Finite Mathematics (4cr.) *or*
 MA115   Precalculus (4 cr.) *or*
 MA161   Calculus I (4 cr.)
DATA109 Intro to Statistics (4 cr.)
PSY 100   Intro to Psychological Science (4 cr.)
SP 100   Public Address (4 cr.)
   SP110   Interpersonal Communication (4 cr.)
    SP120   Small Group Process (4 cr.)

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 Advisement 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
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What to do with a major in...

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