The Master of Science in Management Information Systems (MIS) program will prepare you to assume leadership roles in the area of business information systems and business analytics. The program effectively integrates the technical area of computer technology with business operations. You will be exposed to current information technologies and contemporary information management theories as means to maximizing organizational performance in the new economy.

Our faculty possess extensive teaching and research expertise in big data, database management, data mining, business analytics, business intelligence, data modeling, business enterprise computing, networking and telecommunications, project management, internet and web computing, systems analysis and design, enterprise resource planning, and social media analytics.

**SAP and SAS Course integration**
We are a member of the SAP University Alliance and SAS Global Academic Program. Our MIS program has incorporated SAP, the market leader in ERP and business analytics application software, into numerous courses. SAS is the leader in data analytics application software. Our MIS program has incorporated SAS and other software to prepare you to work in a data-rich environment for business analytics.

**Professional Internships**
The internship program gives qualified MIS majors the opportunity to acquire valuable real-world work experience and academic credit. Students typically secure internships through NIU internship fairs, our departmental Meet the Firm night, as well as other resources.

**Meet the Firm**
Our OM&IS department’s Meet the Firm evening provides the opportunity for you to acquaint yourselves and interact with companies seeking your talents.

**STEM Program**
The M.S. in MIS degree at NIU is designated as a STEM (Science, Technology, Engineering, and Mathematics) program, enabling a 24-month Optional Practical Training (OPT) extension for eligible international graduates of the program.

M.S. in MIS graduates find career opportunities in a wide array of industries and organizations. Recent graduates can be found working for companies such as Abbott, Abbvie, Accenture, Allstate, Caterpillar, McKesson, True Value, Ideosity, Molex, HAVI, JP Morgan Chase, McDonald’s Corporation, SAP Inc., TransUnion, Sears Holdings, Target and State Farm.
Degree Requirements

Our M.S. in MIS program serves both full-time and part-time students at Barsema Hall on the NIU campus in DeKalb. A limited number of courses are also offered at the NIU Naperville site.

The program consists of two phases.

Course Offerings

Phase One is designed to address deficiencies in undergraduate coursework. Some or all Phase One requirements may be waived based on previous undergraduate or graduate coursework. See detailed information at go.niu.edu/MIS-Curriculum.

Phase Two of our M.S. in MIS program consists of 11 courses (30 hours), eight of which are required of all MIS majors, and three elective courses you select with approval of your academic program coordinator.

REQUIRED COURSES (21)
- OMIS 599 Degree Completion Seminar
- OMIS 640 Management of IS Technology
- OMIS 643 Enterprise Process Improvement
- OMIS 651 Business Systems Analysis and Design
- OMIS 652 Business Applications of Database Management Systems
- OMIS 660 Business Computing Environments and Networks
- OMIS 665 Business Computing Environments and Networks
- OMIS 675 Internet Computing Applications
- OMIS 690 Information Technology Project Management

ELECTIVES (9)
To be selected from the following courses or from among relevant graduate offerings elsewhere in the university:
- OMIS 605 Independent Study in Information Systems
- OMIS 653 Enterprise Systems Configuration with SAP
- OMIS 661 Business Intelligence Applications and Tools
- OMIS 665 Big Data Analytics for Business
- OMIS 670 Social Media Analytics for Business
- OMIS 682 Advanced Business Networking and IT Security
- OMIS 694 Advanced Topics in Info Systems
- OMIS 695 Internship in MIS

A specialization is not required to complete the MIS program, though you may choose one or two following specializations in the program.

Business Analytics Specialization

The Business Analytics specialization is designed to help you solve complex decision problems in a business environment with a combination of quantitative skills, modeling techniques and hands-on expertise using current software applications for data driven decision making.

Business Analytics Specialization consists of the following courses:
- OMIS 665 Big Data Analytics for Business
- OMIS 670 Social Media Analytics for Business
- OMIS 694 Advanced Topics in Information Systems – Methodologies and Applications in Data Analytics

Students who choose this specialization will use the above three courses to serve the Phase Two Elective requirement.

SAP and Business Enterprise Computing Specialization

Our SAP and Business Enterprise Computing specialization will allow you to understand how to run organizations more effectively by improving various business processes and using SAP technology.

SAP and Business Enterprise Computing Specialization consists of the following courses:
- OMIS 643 Enterprise Process Improvement
- OMIS 653 Enterprise Systems Configuration with SAP
- OMIS 661 Business Intelligence Applications and Tools

Students who choose this specialization will use OMIS 653, OMIS 661, and one of the elective courses to serve the Phase Two Elective requirement.

Admission Criteria

Apply directly to the Graduate School at grad.niu.edu. To apply, you must have successfully completed a bachelor’s degree from an accredited institution in the United States or have the equivalent level of education from a foreign university. The GMAT/GRE requirement may be waived for those who received their bachelor’s degree at a U.S. institution provided they have an GPA of 3.0 or better.