

MANAGEMENT INFORMATION SYSTEMS master of science

COLLEGE OF BUSINESS AND MANAGEMENT

There may be no greater priority for today's organizations than the need to incorporate existing and future technologies, particularly as e-commerce continues to change the world. Computer and information systems managers play a vital role in the technological direction of their organizations. They do everything from constructing the business plan and overseeing network security to directing Internet and intranet operations and conducting research. They often ascend to top management, helping to determine goals and making detailed plans for the accomplishment of those goals. Graduates with this degree should expect to be in demand.

ADVANTAGE UIS

- **Faculty depth and breadth.** The faculty brings to the classroom extraordinary teaching and research skills and extensive practical experience in both public and private sector organizations such as Marathon Oil. Teaching is job one, but these professors maintain their edge through consulting or work on special projects, such as directing the development of online training used to certify Illinois' nearly 30,000 criminal justice employees. Learn from the pros.
- **Networking.** Join the MIS Club, the UIS Chapter of the Association of Information Technology Professionals (AITP), or the Knowledge Management Club (KMC). These classmates definitely speak your language. And some speak other languages. Twenty percent of MIS students are international students, enhancing the program's global perspective.

MIS Online. Online courses are developed and taught by the same faculty members who teach the traditional in-class sections of the courses, assuring the same high quality and rigorous curriculum. Students from all over the world complete their MIS degree entirely online.

Hot career. The threat of cyber-terrorism is making cyber-security one of the most rapidly growing careers in the field. Firms will increasingly hire these experts to fill key leadership roles in their information technology departments.

Job security. Demand is high. Our reputation is excellent. No wonder regional and national companies aggressively recruit our graduates. Our job placement rate is 100%.

100%

Wise Words

Marsha Eiter '03
Public Service Administrator
Illinois Department of Public Aid

"The MIS program at UIS allowed me to gain extensive knowledge and understanding of how effective management and efficient design of information systems is vital to the success of a system. The MIS program and its excellent instructors have helped me to thoroughly understand the complexities of a variety of different types of information systems. The knowledge I gained has assisted me in properly managing a successful information system that is highly regarded by the federal government."

What can I do with this degree?

Our graduates work in government agencies, utilities, financial services firms, manufacturing organizations, consulting firms, educational institutions, and nonprofit agencies as systems analysts, information systems application developers, software testers, end-user support personnel, quality control and purchasing/inventory employees, and materials managers, to name a few options.

Recent employers include:

Xerox
Horace Mann Educational Solutions, Inc.
Social Security Administration
Caterpillar, Inc.
Illinois Department of Revenue
Archer Daniels Midland Corporation
Memorial Medical Center
State Farm Insurance
Illinois Power Company
Hewlett Packard Ltd, Thailand

The business perspective.

The expansion of e-commerce means today's employers want an information systems professional with a balance between technical skills and knowledge of business processes, including a keen understanding of customers' needs. In this program, you'll learn how to apply information technology to solving business problems and aiding project management. Our graduates are prepared to contribute to their organization's strategic planning at the highest levels.

The goal of the MIS program is to prepare students for challenging positions in the application of information technology to solving business problems. Specific objectives of the program are 1) to provide students with the analytical and practical frameworks and methodologies necessary to analyze, design, implement, and manage complex information systems in contemporary organizational structures, 2) to provide knowledge of the principles necessary for understanding basic computer hardware and software systems to ensure the data quality, transmission, processing, and storage necessary to facilitate organizational decision making and general operations, 3) to enable students to develop competencies in applying systems analysis and design strategies and techniques in realistic marketplace environments, and 4) to provide a balance between technical and organizational knowledge for a variety of professional organizations.

Faculty Michele Gribbins, Rassule Hadidi, James Hall, David Larson, Xiaoping Li, Te-Wei Wang, Yifeng Zhang

Associated Faculty Burks Oakley II, David O’Gorman

Adjunct Faculty Apiwan Born

Entrance requirements

Applicants must complete the following (or equivalent) coursework: introductory courses in managerial and financial accounting (or ACC 311), one semester of production/operations management (such as BUS 322 Operations Management), one semester of statistics (such as ECO 213 Statistics for Business and Economics), one semester of college algebra or mathematics, and competency in a structured high-level programming language such as Java, C++, Visual Basic, COBOL, C, Fortran, etc., either through coursework or practical experience. All students applying for admission to the MIS department are expected to submit a Graduate Management Admissions Test (GMAT) score or a Graduate Record Exam (GRE) score. GMAT/GRE requirement will be waived for those who have an MBA or other graduate degree from accredited universities. Students may take their required prerequisite courses while they are waiting to submit either of these test scores.

Degree requirements

MIS 502 Technical Foundations of Information Systems	4 Hrs.
MIS 513 Management Information Systems	4 Hrs.
MIS 523 Managerial Decision Support Systems or MIS 531 Strategic Decision Support Systems	4 Hrs.
*MIS 542 Management of Database Systems or CSC 572 Advanced Database Concepts	4 Hrs.
*MIS 552 Systems Analysis and Design	4 Hrs.
MIS 564 Telecommunications	4 Hrs.
MIS 573 Project Management	4 Hrs.
One approved non-MIS elective (see important notes below)	4 Hrs.

One approved course in organizational behavior (see important notes below)	4 Hrs.
MIS 583 Graduate Project and Seminar or MIS 584 MIS Capstone	4 Hrs.
**One approved MIS elective	4 Hrs.
or MIS 585 MIS Thesis and Seminar	8 Hrs.
Total	44 Hrs.

*Students must take MIS 552 before MIS 542.
 **Those who write a thesis are not required to complete the MIS elective.

Closure requirement

All MIS graduates must complete MIS 583 Graduate Project and Seminar (4 hours) or MIS 584 MIS Capstone (4 hours) or MIS 585 MIS Thesis and Seminar (8 hours). The nature of the project is contingent on the individual’s career goals and may or may not include a practicum experience. Projects may involve, for example, design/analysis of an information system for an existing organizational need; development of one or more databases for a potential organizational need; analysis of managerial needs or uses for information that is accessible in an existing database; or analysis, design, security, and management of networks.

Undergraduate MIS Minor

To earn an undergraduate minor in management information systems, students must complete a minimum of four courses totaling 15 semester hours, at least 11 hours of which must be upper-division coursework taken at UIS. Prerequisites include proficiency in a spreadsheet and/or a database package or completion of CSC 317 Software Packages. Required courses include at least four credit hours selected from the following courses:

ACC 211 Introduction to Financial Accounting
ACC 212 Introduction to Managerial Accounting
ECO 201 Introduction to Microeconomics
ECO 202 Introduction to Macroeconomics
ECO 315 Economics for Administration

Completion of the following three MIS courses:	
MIS 423 Principles of Management Information Systems	3 Hrs.
MIS 423 Decision Support Systems	4 Hrs.
MIS 424 End User Systems Development and Implementation	4 Hrs.
Total minimum	15 Hrs.

Visit our Website for more information on

- Advising
- Communication skills
- Graduation requirements
- Grading Policy

To view course descriptions

www.uis.edu/uiscatalog

CONTACT INFORMATION

Management Information Systems

(217) 206-6067 or mis@uis.edu

Website

<http://mis.uis.edu>

Office of Admissions and Records

(217) 206-4847

or Toll free (888) 977-4847

admissions@uis.edu

www.uis.edu/admissions

IMPORTANT — Information effective fall 2007. Subject to change without notice. The information is not to be considered final, nor does it constitute a contract between the student and UIS. See www.uis.edu/uiscatalog for current program requirements.

The University of Illinois at Springfield is one of three U of I campuses and is located on 746 picturesque acres in the state capital of Illinois. We are a small, public liberal arts university where faculty members are teacher-scholars and the average class size is 15. UIS offers 42 degree programs - 21 bachelor’s,

20 master’s, and the Doctorate of Public Administration. UIS has a special mission in public affairs and service and is known for close faculty-student relationships, a commitment to teaching, extraordinary internships, and extensive online offerings. Enrollment is approximately 4,800.

