Management Information Systems

In today’s global economy, the most sought after business leaders are those who understand that it’s not enough to master the fundamentals of business or achieve a high level of competency in information technology. The best managers connect the two and gain a holistic perspective of the business applications of the Internet and network infrastructures. In this program, students learn the fundamental principles of computer hardware and software systems and how to apply them to operational decision-making. The result is a well-rounded problem solver, prepared to take a leadership role in his or her organization.

Advantage UIS
- Ground-breaking. The UIS Management Information Systems B.S. is one of the few stand-alone undergraduate programs in the country. Most universities offer M.I.S. as a concentration, part of a Business Administration degree. The distinction is an important one in an increasingly technical world.
- Faculty depth and breadth. Teaching is job one at UIS but the faculty in this program bring extensive practical experience to the classroom. They maintain their edge by consulting or working on special projects in the community.

Blended Curriculum
This is the first blended M.I.S. undergraduate program in the nation. That means at least 50% of your learning will be online.

High Demand
The U.S. Bureau of Labor Statistics predicts that the need for computing professionals will grow from between 35 – 55 percent over the next few years. Most major challenges facing organizations will require computing solutions, from conquering disease through medical imaging to providing access to education for rural areas.

Real world experience
MIS professors use their extensive connections to secure internships for their students at major corporations like Archer Daniels-Midland, DOT Foods, State Farm Insurance, and Caterpillar. Many of the corporations offer scholarships to MIS students with the goal of helping create a qualified workforce for the future.

Electronic future
MIS graduates are perfectly positioned to benefit from the growing movement to convert old-fashioned record-keeping to the electronic age. Case in point - the $19 billion in federal stimulus funds dedicated to a massive project to assist the medical profession in moving from papers and file folders to a state-of-the-art electronic health record system that can be accessed at Internet speed.

What can I do with this degree?
Our graduates work as hardware and software engineers, computer systems and network systems analysts, data communications analysts, computer support specialists, web developers, security engineers, database architects, and more, in hospitals, pharmaceutical companies, state and federal agencies, and financial services firms, to name a few. Private industry relies on IT professionals to provide solutions in a wide range of areas including IT auditing, business analysis, managing records, and providing solutions for creating and maintaining massive computing systems such as distribution systems for major package and freight companies.
MANAGEMENT INFORMATION SYSTEMS

Faculty
Atul Agarwal, Michele Gribbins, Rassuli Hadidi, James Hall, David Larson, Xiaojing Li, Te-Wei Wang, Xifeng Zhang

Associated faculty
Burks Oakley II, David O’Gorman

Adjunct faculty
Apiwan Born

Entrance Requirements
The admission requirements for the Bachelor of Science in MIS are the same as the admission requirements for all students entering UIS as freshmen - http://www.uis.edu/admissions/adm req.html#freshmen

To be admitted to the program as a transfer student, an applicant must earn a cumulative grade point average (GPA) of at least 2.0 out of 4.0 in the following seven courses: Introduction to Financial Accounting, Introduction to Managerial Accounting, Statistics for Business and Economics, Business Calculus or an equivalent, Introduction to Microeconomics, Introduction to Macroeconomics or Economics for Administration, and one behavioral science course in a field such as Psychology or Sociology.

Department Requirements
Core: 21 Hours
(offered in online and face-to-face modes of delivery)

MIS core: 30 Hours
Offered in a Blended Format (*

CSC 225 Computer Programming Concepts I 3 Hrs.
CSC 275 Computer Programming Concepts II 3 Hrs.
MIS 317 Analysis and Logical Design 3 Hrs.
MIS 385 Data in Organizations 3 Hrs.
MIS 395 Electronic Business Strategy, Architecture, and Design 3 Hrs.
MIS 452 Information Systems Theory and Practice 3 Hrs.
MIS 454 Physical Design and Implementation with DBMS 3 Hrs.
MIS 456 Networks and Telecommunications in Organizations 3 Hrs.
MIS 458 Project Management and Practice 3 Hrs.
MIS 444 Physical Design and Implementation – Object Orientation 3 Hrs.

Total 21 Hrs.

MIS 315 Managing Organizational Behavior 3 Hrs.
MIS 333 Business and Society 3 Hrs.
MIS 352 Principles of Management Systems 3 Hrs.
MIS 395 Electronic Business Strategy, Architecture, and Design 3 Hrs.

Total 30 Hrs.

* In a Blended curriculum, at least 50 percent of the program is offered online, capitalizing on the learning advantages of each mode of delivery. Students benefit from being able to learn when it’s most convenient and, if they connect from home, greatly reduce commuting time and expense.

Communication Skills
Since the ability to communicate is central to the MIS expert’s student should expect that writing and oral communication skills will be an essential requirement in all MIS courses. Students with deficiencies in writing may be required to take additional course work or seek help available at the Center for Teaching and Learning.

Undergraduate MIS Minor
(15 Hrs.)
To earn an undergraduate minor, students must complete a minimum of five courses totaling 15 semester hours, at least nine 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 517 Software Packages.

Required courses include:
1) at least six 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

2) completion of the following three MIS courses:
   MIS 395 Electronic Business Strategy, Architecture, and Design 3 Hrs.
   MIS 423 Decision Support Systems 3 Hrs.
   MIS 432 Principles of Management Information Systems 3 Hrs.

Total 15 Hrs.

Visit our website for more information on
Advising
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UIS undergraduate degree requirements
ECCE classes
Careers

Visit our course descriptions uis.edu/catalog

CONTACT INFORMATION
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The University of Illinois Springfield is one of three campuses of the University of Illinois at Springfield. Located on 764 picturesque acres in the state capital, UIS is a small, public liberal arts university where you learn in small classes with professors who know you. UIS offers 44 degree programs — 25 bachelors, 20 masters, and the Doctorate of Public Administration. The university has a special mission in public affairs and is known for extraordinary internships, outstanding online offerings, and a commitment to engaging students in the community and the world. Enrollment is 4,961 (fall 2009).

INTERNET: — Information effective fall 2009. Subject to change without notice. The information herein is to be considered true only if shown on a current admission letter from the student and UIS, for an individual in the current program requirements.