

# MANAGEMENT INFORMATION SYSTEMS

COLLEGE OF BUSINESS AND MANAGEMENT

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.

EARNED EXCELLENCE



THE BEST BUSINESS SCHOOLS  
IN THE WORLD

AACSB accreditation is a distinction earned by fewer than 15% of business schools worldwide.

## Wise Words

"The I.T. Department at Archer Daniels Midland actively recruits candidates with both MIS and Computer Science degrees. Students with Computer Science degrees are typically very strong in theory and technical skills, while the MIS students offer business and customer/user skills which opens up a variety of career choices for them here at ADM."

IT Recruiter  
Archer Daniels Midland Company  
Decatur, IL

Graduates of the MIS B.S. will have the combination of technical and managerial skills required by today's complex organizations: a moderate level of technical expertise and knowledge of organizational functions and processes, including general understanding of organizational behavior constructs relevant to systems and organizations. Expectations are that developments in the next few years will demand MIS expertise of any professional administrator/manager who wishes to be competitive in his or her field. The MIS B.S. curriculum will prepare students to meet this challenge while also gaining expertise in business concepts, organizational behavior and decision-making.

**Faculty** Atul Agarwal, Michele Gribbins, Rassule Hadidi, James Hall, David Larson, Xiaoqing Li, Te-Wei Wang, Yifeng 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/admreq.html#freshman>

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**

**College core: 21 Hours**

*(required of all undergraduate College of Business and Management students, currently offered in online and face-to-face modes of delivery)*

BUS 302 Principles of Financial Management	3 Hrs.
BUS 312 Principles of Marketing	3 Hrs.
BUS 322 Principles of Operations Management	3 Hrs.
MGT 310 Managing Organizational Behavior	3 Hrs.
BUS 331 Business and Society	3 Hrs.
MIS 352 Principles of Management Information Systems	3 Hrs.
MGT 488 Strategic Management and Leadership	3 Hrs.

**Total 21 Hrs.**

**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 371 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 464 Physical Design and Implementation – Object Orientation	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 commute from home, greatly reducing commuting time and expense.*

**Communication Skills**

Since the ability to communicate is central to the MIS expert, students 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 317 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 352 Principles of Management Information Systems 3 Hrs.
    - MIS 395 Electronic Business Strategy, Architecture, and Design 3 Hrs.
    - MIS 423 Decision Support Systems 3 Hrs.
- Total 15 Hrs.**

**Visit our website for more information on**

- Advising
- AACSB Accreditation
- UIS undergraduate degree requirements
- ECCE classes
- Careers

**Visit our course descriptions**  
[uis.edu/catalog](http://uis.edu/catalog)

**CONTACT INFORMATION**

**Management Information Systems**

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**Website** <http://mis.uis.edu>

UIS Office of Admissions  
 (217) 206-4847 or Toll free (888) 977-4847  
[admissions@uis.edu](mailto:admissions@uis.edu)  
[uis.edu/admissions](http://uis.edu/admissions)

*IMPORTANT!* — Information effective fall 2009. 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 [uis.edu/uiscatalog](http://uis.edu/uiscatalog) for current program requirements.

