

Management Information Systems

Undergraduate Study

For undergraduate curriculum in business, major in management information systems (MIS).

The MIS major requires students to take 18 credit hours in the management information systems area, including 12 credit hours of required core courses and 6 credit hours of electives. The required core courses are:

MIS 307	Intermediate Business Programming	3
MIS 310	Information Systems Analysis	3
MIS 320	Database Management Systems	3
MIS 340	Project Management	3

The remaining 6 credits can be taken from the department approved electives, preferably with the specified clusters that focus on specific IT job related knowledge and skills (application development, IT infrastructure and security, business analytics, and supply chain technology). Students are encouraged to take electives that cover multiple clusters to enhance marketability and career flexibility.

The department also offers a minor for non-Management information Systems majors in the College of Business. The minor requires 15 credits from an approved list of courses, of which 9 credits must stand alone. The 15 credits must include MIS 301 Management Information Systems. Students with declared majors have priority over students with declared minors in courses with space constraints.

Graduate Study

The Department of Supply Chain and Information Systems participates in the M.S. in Information Systems (M.S.I.S), the full-time and part-time Master of Business Administration (M.B.A.) and the Ph.D. in Business and Technology programs. The department also participates in an interdepartmental M.S. in Information Assurance as well as in a master's and Ph.D. program in Human Computer Interaction.

The M.B.A. is a 48-credit, non-thesis, non-creative component curriculum. Thirty of the 48 credits are core business courses and the remaining 18 credits are graduate electives. Students may obtain a specialization in technology and innovation management within the M.B.A. program.

The M.S.I.S. is a 30-credit (minimum) curriculum designed around three interrelated areas – business foundation, IS core, and electives. All students are expected to be familiar with basic computing skills before entering the program. The M.S.I.S. program will educate students on applying IS theory and concepts to modern IS development through classes that enable them to learn and use the latest software in application projects. Students graduating from the program will have advanced technical and managerial skills to develop and manage information systems projects.

The Ph.D. in Business and Technology is a 56-credit curriculum (minimum) which includes a 12-credit dissertation designed around four interrelated areas—core, specialization, minor, and research methods—and the dissertation. The Management of Information Systems (MIS) specialization examines issues related to the development, building, management, and use of information and knowledge-based technologies. Such technologies enable users to collect organizational data, provide a platform for organizing and disseminating the data, and offer operational, decision support, and knowledge management tools through which users can leverage data and information for making better organizational decisions. Students in the MIS specialization will study areas such as information technology analysis and development, database and knowledge management systems, decision support and data mining, human computer interaction, system security and integrity, and project management and collaborative teamwork.