

# MANAGEMENT INFORMATION SYSTEMS MAJOR

Department: Management Information Systems (<https://catalog.bradley.edu/undergraduate/business/management-information-systems/>)

Management information systems (MIS) is an exciting field that combines people skills with technical skills. The MIS major blends business functions with computer information technology. It enables students to be successful in developing, managing and securing technology-based business applications. Organizations have become much more data driven. For many firms, data is their business. The MIS major teaches students how to manage this vital resource.

This major prepares students for some of the nation's fastest growing career opportunities in fields such as systems analysis, cybersecurity, and business analytics. Graduates of the program can expect interesting and challenging job opportunities in a dynamic field. Typical graduates' first jobs are in technical and information related fields as support specialists, analysts or consultants. The MIS major can be a fast track to management positions or the basis for advanced graduate work. After gaining experience, graduates transition into leaders of technical teams and then assume technology management positions.

The MIS major differs from other "computer" majors. It emphasizes interactions between the business and information technology requirements of organizations. While knowledge of computer systems is a necessary part of the program, a larger portion is devoted to serving the data, information and security needs of business professionals.

The student can acquire competence in a number of areas as a generalist or with a concentration in either cybersecurity or business analytics.

## Requirements

To major in MIS, a student must complete earn a minimum of 28 semester hours credit in courses with the following requirements:

Code	Title	Hours
<b>Required Courses</b>		<b>13</b>
MIS 272	Business Analytics Tools and Techniques	
MIS 375	Business Systems Analysis and Design	
CS 101	Introduction to Programming	
CIS 102	Introduction to Computer Information Systems With Basic	
Elective Courses (choose four):		12
MIS 279	Personal Security and Privacy	
MIS 373	Applied Networking	
MIS 379	Information Systems Security	
MIS 471	Applied Machine Learning for Business	
MIS 473	Data Visualization for Business Analytics	
MIS 490	Capstone Project for Business Analytics	

Course(s) approved by the Department Chair

Code	Title	Hours
<b>Capstone Experience (choose one):</b>		<b>3</b>
MIS 483	Advanced Ethical Hacking	

MIS 490

Capstone Project for Business Analytics

Students must also complete the Foster College's business core.