Management Information Systems (MIS)
BS in Management with a concentration in MIS

Due to increasing deployment of information technology (IT) in almost every part of an organization, its effective design, use, and management play a critical role in organizational success. A concentration in Management Information Systems (MIS) will prepare you for a career focused on IT. The MIS concentration focuses on the application of IT to improve a company’s strategic position and operations while maintaining their security and integrity. Students can gain depth in areas that include systems analysis and design, database management systems, programming languages, project management, advanced spreadsheets, e-business, principles of security, and cloud services. The concentration also addresses emerging trends and issues in the design, use, and management of IT to better serve those students who rise to managerial responsibility. Thus, students are prepared to use their practical knowledge in a decision-making capacity to contribute to the organization’s success. If your primary interest is in MIS, it is recommended that you supplement the concentration requirements by taking additional courses in MIS rather than pursuing another concentration. However, if you are already pursuing another concentration and have an interest in MIS, you may add from a variety of MIS courses to complement your knowledge in the chosen concentration.

Concentration Requirements and Course Descriptions

In addition to the standard core course curriculum for the management degree, to fulfill a concentration in MIS, students are required to complete one required MIS course and three additional electives.

Required Coursework
(Completion of MIS 311 required for all courses)
- MIS 323 - Systems Analysis and Specification

Elective Coursework
(Select two from the following list)
- MIS 325 - Essentials of Programming
- MIS 333 - Database Management (once per year)
- MIS 425 - Web Application Development (once per year)
- MIS 450 - IT Security and Forensics* (Spring)
- MIS 460 - E-Business (Fall)
- MIS 473 - Information Systems Development Project (Spring)
- MIS 480 - Special Topics in MIS

Fourth MIS Elective
(Select one from the following list)
- MKTG 320 - Market Research
- MKTG 322 - Consumer Behavior
- MKTG 340 - Advertising
- MKTG 465 - Social Media Marketing
- LEAD 351 - Leadership Skills & Development
- ENT 460 - Entrepreneurship
- MIS 325 - Essentials of Programming
- MIS 333 - Database Management (once per year)
- MIS 425 - Web Application Development (once per year)
- MIS 450 - IT Security and Forensics* (Spring)
- MIS 460 - E-Business (Fall)
- MIS 473 - Information Systems Development Project (Spring)
- MIS 480 - Special Topics in MIS**

*Basic programming knowledge required.

**You can count either MIS 480G (Deloitte Cybersecurity) OR MGMT 481B (EY Trajectory Program) toward your fourth MIS elective only. You cannot use both courses to count toward your MIS concentration.

PLEASE NOTE: Courses are typically offered in specified semesters, however, semesters offered are subject to change based on instructor availability.

Additional information regarding the Business Analytics concentration is available at: rebrand.ly/SOMUndergradConcentrations

Full course descriptions are available in the Binghamton University Bulletin: rebrand.ly/BinghamtonBulletin

Updated course schedules are available on BU Brain, accessible through myBinghamton: my.binghamton.edu