

# MANAGEMENT INFORMATION SYSTEMS (MIS)

---

## **MIS 270 Experience Credit (1-6 Credits)**

### *Management*

Participation in a discipline or subject related experience. Student must be evaluated by written or oral reports or an examination. Permission in advance with the consent of the department chairperson, instructor, and dean. Limited to those in good academic standing.

Repeatable

## **MIS 290 Independent Study (1-6 Credits)**

### *Management*

Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department.

Repeatable

## **MIS 300 Selected Topics (1-6 Credits)**

### *Management*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Repeatable

## **MIS 325 Information Technology for Business (3 Credits)**

### *Management*

Double-numbered with MIS 625

Explores the strategic presence of information technology across business, its impact on day-to-day operations, and the risks created. Discusses effective use of information technology to improve business decision-making, revitalize business processes, and gain competitive advantage. Additional work required of graduate students.

Advisory recommendation Prereq: SOM 122 or SOM 144

Shared Competencies: Information Literacy and Technological Agility (<https://coursecatalog.syracuse.edu/shared-competencies/information-literacy-and-technological-agility/>)

## **MIS 335 Information Systems for Decision Support (3 Credits)**

### *Management*

Decision-making and decision modeling skills for improving business performance. Design and programming of business applications using MS-Excel and Visual Basic Applications (VBA).

Prereq: MIS 325

## **MIS 345 Development and Programming of Business Applications (3 Credits)**

### *Management*

Use of a programming language in the structural design and implementation of business applications. Use of good software design principles and cross-platform application integration capabilities.

## **MIS 365 Business Value of Information Technology (1.5 Credits)**

### *Management*

Financial measures of IT value including TCO, ROI, and NPV; non-financial dimensions of business value such as strategic fit, IT investment risk; IT governance and IT models; measuring IT performance; IT change management.

## **MIS 375 Management of Information Technology Contracting (1.5 Credits)**

### *Management*

Budgeting and controlling IT costs; IT procurement including requirements specification, requests for proposals, evaluation criteria, and vendor selection; evaluating and managing vendor performance; developing and monitoring contracts.

## **MIS 380 Selected Topics (1-3 Credits)**

### *Management*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Repeatable

## **MIS 400 Sel Top/Mgmt Info Sys (1-3 Credits)**

### *Management*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Repeatable

## **MIS 425 Management Information Systems Analysis and Design (3 Credits)**

### *Management*

Management of information systems development from a business perspective. Focus on mainstream and emerging systems analysis and design techniques. First-hand experience with commercial tools used in information systems development projects.

Prereq: MIS 325

## **MIS 435 Principles of Database Management (3 Credits)**

### *Management*

Database and data warehousing concepts, design principles, and methods of use in assisting management decision-making and in building Web-based database applications. Focus on widely used commercial database environments.

Prereq: MIS 325

## **MIS 445 Implementing a Web-enabled Enterprise (3 Credits)**

### *Management*

Double-numbered with MIS 645

Identify a business opportunity, develop an e-business strategy, and design the web store. Gain hands-on experience in setting up a fully functional web store.

## **MIS 470 Experience Credit (1-6 Credits)**

### *Management*

Participation in a discipline or subject related experience. Student must be evaluated by written or oral reports or an examination. Permission in advance with the consent of the department chairperson, instructor, and dean. Limited to those in good academic standing.

Repeatable

## **MIS 490 Independent Study (1-6 Credits)**

### *Management*

Exploration of a problem, or problems, in depth. Individual independent study upon a plan submitted by the student. Admission by consent of supervising instructor(s) and the department.

Repeatable

## **MIS 499 Honors Capstone Project (1-3 Credits)**

### *Management*

Completion of an Honors Capstone Project under the supervision of a faculty member.

Repeatable 3 times for 3 credits maximum

**MIS 500 Selected Topics (1-6 Credits)**

*Management*

Exploration of a topic (to be determined) not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Repeatable

**MIS 545 Decision Support Systems (3 Credits)**

*Management*

Concepts and models of support systems for management decision making. Systems analysis of unstructured decision problems.

Prereq: MIS 425 and 435

**MIS 557 Management Information System Design and Implementation (3 Credits)**

*Management*

Such issues as top down modular design of management information systems, testing, documentation, and implementation.

Prereq: MIS 335

**MIS 558 Adv Prob Mgt Info Sys (3 Credits)**

*Management*