The Bachelor of Science in Management Information Systems provides students with in-depth knowledge of Information Technology concepts and applications, and prepares them to create innovative solutions for real-world problems. Students gain the ability to integrate hardware, software, and management skills to solve problems in a variety of IT areas.

The program's mission is to ensure that each graduate is exceptionally well qualified to undertake a successful information systems career in industry, business, education, or government. In support of this mission, the program is designed so that each student will:

- Gain a sound foundation in computing basics, analysis and design, programming, testing, software development, security, database, and human-computer interaction.
- Learn the theory and practice of information technology and develop skills to apply this knowledge to analyze and solve information system problems.
- Develop analytical, critical thinking, and interpersonal skills applicable to real-world problem solving.
- Acquire basic business concepts to assist them in career paths where they are interfacing with and developing solutions for business professionals.
- Develop effective oral and written communication skills.
- Appreciate the social and ethical issues in information systems.

**POLICIES/INFORMATION**

**Admission to Major** is granted by the department. Admission to the Major is required before the student is permitted to take 300- and 400-level courses. All coursework used to complete a departmental major or minor, including required courses, required supporting courses, and required General Education courses, must be taken for a letter grade except for courses offered only as P/N.

**Grade Policy.** All coursework used to complete a departmental major or minor, including required courses, required supporting courses, and required General Education courses, must be taken for a letter grade except for courses offered only as P/N.

No course completed with a grade of “D” can be used to complete a departmental major or minor program, or to meet a departmental prerequisite.

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**Required General Education**

- CMST 100 Fundamentals of Communication (3)
- ENG 101 Composition (4)
- IT 202W Computers in Society (4)
- CMST 102 Public Speaking (3)
- CMST 212 Professional Communication and Interviewing (4)

**Major Common Core**

- ACCT 200 Financial Accounting (3)
- ECON 207 Business Statistics (4)
- ENG 271W Technical Communication (4)
- IT 210 Fundamentals of Programming (4)
- IT 214 Fundamentals of Software Development (4)
- IT 310 Data Structures & Algorithms (4)
- IT 311 Business Application Programming (4)
- IT 340 Introduction to Database Systems (4)
- IT 350 Information Security (4)
- IT 380 Systems Analysis and Design (4)
- IT 440 Database Management Systems II (4)
- IT 497 Internship (1-12)

Three credits of IT 497 are required for the major. Additional credits will be used to satisfy overall degree requirements.

**Major Restricted Electives**

Students must complete the requirements for ONE of the two clusters.

**Cluster 1: Integrated Business Experience (IBE) (15 credits)**

IBE Curriculum (Choose 12 Credits)

Three credits of IT 499 must be taken concurrently with the IBE practicum to count towards this cluster. The four IBE courses are taken together in a single semester. Work with the College of Business Advising Center to register for the IBE curriculum.

FINA 362 Business Finance (3)
Cluster 1: Electives (choose 3 credits)
- ACCT 210 Managerial Accounting (3)
- BLAW 371 Computer and Technology Law (3)
- MGMT 346 Production & Operations Management (3)
- MGMT 473 Enterprise Resource Planning (ERP) (3)

Cluster 2: General Business (15 credits)

Business Core (Choose 9 Credits)
- FINA 362 Business Finance (3)
- MGMT 330 Principles of Management (3)
- MRKT 310 Principles of Marketing (3)

Cluster 2 Electives (Choose 6 Credits)
- ACCT 210 Managerial Accounting (3)
- BLAW 371 Computer and Technology Law (3)
- MGMT 346 Production & Operations Management (3)
- MGMT 473 Enterprise Resource Planning (ERP) (3)

Major Unrestricted Electives (Choose 12 Credits)
- ENG 469 Project Management in Technical Communication (4)

Or any upper-division course(s) between IT 300-IT 496 not already used in the Major Common Core or in the selected cluster. At least 8 credits must be at the 400 level.

Required Minor: None.

For IT course descriptions, please see Computer Information Technology.