

MANAGEMENT INFORMATION SYSTEMS B.S. IN BUSINESS ADMINISTRATION

The Management Information Systems STEM curriculum prepares students to manage an organization's information resources. The major focuses on:

1. analyzing and synthesizing information flows within and across the organization's business processes;
2. effectively managing the acquisition, deployment, and utilization of information systems; and
3. using both information and information technology to enhance the organization's strategic advantage.

The knowledge and skills developed in the curriculum lead to careers in data analytics, cybersecurity, consulting, application development, infrastructure management, systems analysis, technology and design, electronic commerce, and project management.

General Degree Requirements

To earn a baccalaureate degree, all students must complete successfully, in addition to any other requirements, the University of Montana General Education Requirements. Please refer to the General Education Requirements page (<https://catalog.umt.edu/academics/general-education-requirements/>) for more information.

Additional requirements for graduation can be found on the Degree/Certificate Requirements for Graduation page (<https://catalog.umt.edu/academics/graduation-requirements/>).

Unless otherwise noted in individual program requirements, a minimum grade point average of 2.00 in all work attempted at the University of Montana-Missoula is required for graduation. Please see the Academic Policies and Procedures page (<https://catalog.umt.edu/academics/policies-procedures/>) for information on how your GPA is calculated.

Courses taken to satisfy the requirements of a major, minor, or certificate program must be completed with a grade of C- or better unless a higher grade is noted in the program requirements.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION - MANAGEMENT INFORMATION SYSTEMS

- At least 54 credits must be earned in business classes (ECNS, COB internship courses and College of Business faculty-led study abroad course may be counted in or out of business). A minimum GPA of 2.0 is required for these courses.
- At least 27 credits in business and BMIS 476 must be taken at UM.
- All business credits transferred in after matriculating to UM must be pre-approved by the department chair in your major.

Course Requirements

Code	Title	Hours
Primary Lower Core		
Complete all of the following courses:		

ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
BGEN 105S	Introduction to Business	3
BGEN 222	Business Models and Operations	3
BMIS 270	MIS Foundations for Business	3
ECNS 201S	Principles of Microeconomics	3

Mathematics Requirement

Complete one of the following courses:		3-4
M 115	Probability and Linear Mathematics	
M 121	College Algebra	
M 151	Precalculus	
M 162	Applied Calculus	

Statistics Requirement ¹

Complete one of the following courses:		3-4
FORS 201	Forest Biometrics	
PSYX 222	Psychological Statistics	
SOCI 202	Social Statistics	
STAT 216	Introduction to Statistics	

Secondary Lower Core Courses ²

Complete all of the following courses:		
BGEN 220E	Business Ethics and Social Responsibility (Students must complete this course with a C- or better prior to taking the capstone, though earlier completion is strongly encouraged.)	3
COMX 111A	Introduction to Public Speaking (Students must complete this course with a C- or better prior to taking the capstone, though earlier completion is strongly encouraged.)	3
ECNS 202S	Principles of Macroeconomics	3

Upper Major Core Courses ³

Complete all of the following courses:		
BFIN 322	Business Finance	3
BGEN 341	People, Process and Technology I	3
BGEN 342	People, Process and Technology II	3
BGEN 361	Principles of Business Law	3
BMKT 325	Principles of Marketing	3

Capstone and Upper-Division Writing Requirement ⁴

Complete the following course:		
BGEN 499	Strategic Management	3

Management Information Systems Required Courses

Complete all of the following courses:		
BMIS 326	Introduction to Data Analytics	3
BMIS 365	Business App Development (must be taken at UM)	3
BMIS 372	Information Infrastructures	3
BMIS 373	Business System Analysis & Design	3
BMIS 476	Integrated Project Management for IS (must be taken at UM)	3
BMIS 498	Internship	3

Electives

Complete 6 credits from the following courses:		6
ACTG 321	Accounting Information Systems I	

BMGT 467	Global Operations and Supply Chain Management
BMIS 391	Special Topics
BMIS 465	Introduction to Real-time Data Analytics
BMIS 471	Fundamentals of Network & Security Management
BMIS 472	Advanced Network & Security Management
BMIS 478	E Commerce: a Managerial Perspective
BMIS 479	Introduction to Consulting
BMIS 491	Special Topics
BMIS 492	Independent Study
BMKT 460	Marketing Hi-Tech Production and Innovation
CSCI 151	Interdisciplinary Computer Science I
CSCI 152	Interdisciplinary Computer Science II
CSCI 464	Applications of Mining Big Data
M 461	Data Science Analytics
STAT 451	Statistical Methods I
Total Hours	75-77

1

This is a primary lower core requirement. The College of Business requires that credit be earned for STAT 216 (preferred) or one of the other statistics courses below with a C- or better prior to being admitted into an upper-division College of Business major.

2

All courses must be completed with a C- or better to satisfy prerequisites for certain major, upper major core, or capstone courses. Students are advised to complete these courses prior to being admitted to an upper-division Business Major. Prerequisites are strictly enforced.

3

All upper major core courses must be completed before the capstone can be taken. A student must be listed as a major or minor in business to take these courses. Major or minor in business is defined as junior standing with all primary lower core courses completed, a 2.0 cumulative GPA, and formal admission to the major or minor.

4

Students must complete all primary and secondary lower core and upper core courses and their prerequisites and have an approved graduation application to register for their capstones. Students must pass the required comprehensive exam as well as all requisite coursework to earn a passing grade in BGEN 499.