MANAGEMENT INFORMATION SYSTEMS B.S.

Bachelor of Science - Management Information Systems

College of Business

Degree Specific Credits: 72-74

Required Cumulative GPA: 2.0

Catalog Year: 2018-2019

Notes:

- 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 60 credits must be earned outside of the College of Business (excluding HHP/ACT activities 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.

General Education Requirements

Information regarding these requirements can be found in the General Education Section (http://catalog.umt.edu/academics/general-education-requirements) of the catalog.

Summary

Code	Title	Hours
College of Business Requirements		48-50
Primary Lower Core Courses		
Math Requirement		
Statistics Requirement		
Secondary Lower Core Courses		
Upper Major Core Courses		
Capstone Course and Upper-Division Writing Requirement		
Management Information Systems Requirements		18
Management Information Systems Electives		6
Total Hours		72-74

College of Business Requirements

Primary Lower Core Courses

Note: All primary lower core courses must be completed with a C- or better and a 2.0 GPA must be earned in the seven (7) listed course prior to admission into an upper-division Business Major.

Code	Title	Hours
Complete all of the following courses:		
ACTG 201	Principles of Financial Accounting	3
ACTG 202	Principles of Managerial Accounting	3
BMIS 270	MIS Foundations for Business	3

Code	Title	Hours
ECNS 201S	Principles of Microeconomics	3
Total Hours		12

Minimum Required Grade: C-

Math Requirement

Notes:

- The College of Business requires that credit be earned for one of the math courses below (with a C- or better) before enrolling in ACTG 202.
- A student's result on the ALEKS or Maplesoft Math Placement Exam does not waive this requirement.

Code	Title	Hours
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	
Total Hours		3-4

Minimum Required Grade: C-

Statistics Requirement

Note: This is a primary lower core course. 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.

Code	Title	Hours
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 (preferred)	
Total Hours		3-4

Minimum Required Grade: C-

Secondary Lower Core Courses

Note: 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.

Code	Title	Hours
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.) Ethical & Human Values Requirement	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.) Expressive Arts Requirement	3
CSCI 172	Intro to Computer Modeling	3

ECNS 202S	Principles of Macroeconomics Social Science Requirement	3
Total Hours		12

Minimum Required Grade: C-

Upper Major Core Courses
Notes:

- All upper major core courses must be completed before the capstone can be taken.
- A student must be listed as a major 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 formally admitted to the major or minor.

Code	Title	Hours
Complete all of the following courses:		
BFIN 322	Business Finance	3
BGEN 361	Principles of Business Law	3
BMGT 322	Operations Management	3
BMGT 340	Management & Organization Behavior	3
BMKT 325	Principles of Marketing	3
Total Hours		15

Minimum Required Grade: C-

Capstone and Upper-Division Writing Requirement
Notes:

- 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.
- BGEN 499 must be taken at UM.
- This course also satisfies the UM and College of Business upper-division writing requirement.

Code	Title	Hours
Complete the following course:		
BGEN 499	Strategic Management	3
Total Hours		3

Minimum Required Grade: C-

Management Information Systems Requirements
Notes:

- BMIS 365 and BMIS 476 must be taken at UM.
- 3 credits of BMIS 498 are required to graduate.

Code	Title	Hours
Complete all of the following courses:		
BMIS 326	Introduction to Data Analytics	3
BMIS 365	Business App Development	3
BMIS 372	Information Infrastructures	3
BMIS 373	Business System Analy & Design	3
BMIS 476	Integrated Project Mgmt for IS	3
BMIS 498	Internship	3
Total Hours		18

Minimum Required Grade: C-

Management Information Systems Electives

Code	Title	Hours
Complete 6 credits from the following courses:		6
ACTG 321	Acct Information Systems I	
BMIS 370	Managing Information and Data	
BMIS 391	Special Topics	
BMIS 465	Introduction to Real-time Data Analytics	
BMIS 471	Fund of Network & Security Management	
BMIS 472	Advanced Network & Security Management	
BMIS 478	E Commerce a Managerl Prspctv	
BMIS 479	Introduction to Consulting	
BMIS 482	Big Data Project	
BMIS 491	Special Topics	
BMIS 492	Independent Study	
BMKT 460	Mktg Hi-Tech Prod & Innov	
CSCI 135	Fund of Computer Science I	
CSCI 136	Fund of Computer Science II	
CSCI 448	Pattern Recognition	
CSCI 464	Applications of Mining Big Data	
M 461	Data Science Analytics	
STAT 451	Statistical Methods I	
Total Hours		6

Minimum Required Grade: C-