MANAGEMENT INFORMATION SYSTEMS B.S.

Bachelor of Science - Management Information Systems

School of Business Admin

Degree Specific Credits: 76

Required Cumulative GPA: 2.0

Catalog Year: 2017-2018

Note: At least 54 credits must be earned in Business classes (ECNS, SoBA internship courses and SoBA 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 SoBA (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.

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| SoBA Social Science Requirement | 3 |
| SoBA Ethical & Human Values Requirement | 3 |
| Total Hours | 91-98 |

SoBA - Primary Lower Core Courses

Rule: All courses are required

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.

SoBA Math Requirement

Rule: Students choose one course from the list below to fulfill their Math Requirement

Note: SoBA 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 Math Placement Exam does not waive this requirement.

Select one of the following: 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-

SoBA – Secondary Lower Core Courses

Rule: All courses are required

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.

| BGEN 220E | Business Ethics and Social Responsibility | 3 |
| COMX 111A | Intro to Public Speaking | 3 |
| CSCI 172 | Intro to Computer Modeling | 3 |
| ECNS 202S | Principles of Macroeconomics | 3 |
| Total Hours | 12 |

Minimum Required Grade: C-

SoBA - Upper Major Core

Rule: All courses are required

Note: All upper major core courses must be completed before the capstone can be taken.

A math course and a statistics course are also required in the primary lower core. See Math Requirements and Symbolic Systems Requirements below.

- Math 3-4 Credits
- Symbolic Systems 3-4 Credits

| ACTG 201 | Principles of Financial Accounting | 3 |
| ACTG 202 | Principles of Managerial Accounting | 3 |
| BMIS 270 | MIS Foundations for Business | 3 |
| ECNS 201S | Principles of Microeconomics | 3 |
| WRIT 101 | College Writing I | 3 |
| Total Hours | 15 |

Minimum Required Grade: C-
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.

BFIN 322  Business Finance 3
BGEN 361  Principles of Business Law 3
BMGT 322  Operations Management 3
BMGT 340  Mgmt & Organization Behavior 3
BMKT 325  Principles of Marketing 3
Total Hours 15

Minimum Required Grade: C-

Management Information Systems - Requirements
Rule: All courses are required
Note: BMIS 365, BMIS 370, and BMIS 476 must be taken at UM.

3 credits of BMIS 498 are required to graduate.

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 1-6
Total Hours 16-21

Minimum Required Grade: C-

Management Information Systems - Electives
Rule: Take 6 credits from the list below.

Note: Students taking ACTG 321 for an elective must also take the ACTG 203 co requisite course.

Select 6 credits from the following:

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 Frspcvt
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  Practical Big Data Analytics
STAT 451  Statistical Methods I
Total Hours 6
Minimum Required Grade: C-

SoBA - Capstone Courses
Rule: All courses are required

Note: Students must complete all lower 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.

BGEN 499  Strategic Management 3
Total Hours 3

Minimum Required Grade: C-

SoBA Upper-Division Writing Requirement
Rule: All courses are required

Note: This is a primary lower core course. SoBA 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 SoBA major.

Select one of the following:

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-

SoBA Symbolic Systems Requirement
Rule: Students complete STAT 216 (preferred) or one other course from the list below to fulfill the Symbolic Systems Requirement.

Note: This is a primary lower core course. SoBA 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 SoBA major.

Select one of the following:

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-

SoBA Expressive Arts Requirement
Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

COMX 111A  Intro to Public Speaking 3
Total Hours 3
SoBA Social Science Requirement

Rule: All courses are required

Note: This is a primary lower core course and must be completed with a C- or better prior to a student being admitted into an upper-division SoBA major.

ECNS 201S  Principles of Microeconomics  3

Total Hours  3

Minimum Required Grade: C-

SoBA Ethical & Human Values Requirement

Rule: All courses are required

Note: Students must complete this course with a C- or better prior to taking the capstones, though earlier completion is strongly encouraged.

BGEN 220E  Business Ethics and Social Responsibility  3

Total Hours  3

Minimum Required Grade: C-