

## Management Information Systems Major: *Business Analytics* (Last Revised 06/2021)

Required Business Core (39 hours)		Credit
ECON 1041	<b>Principles of Macroeconomics</b>	3 hrs.
ECON 1051	<b>Principles of Microeconomics</b> (ECON 1041)	3 hrs.
ECON 1011	<b>Statistics for Business Analytics</b> (STAT 1772 <u>OR</u> equivalent)	3 hrs.
ECON 1021	<b>Decision Analytics</b> ( STAT 1772 <u>OR</u> equivalent)	3 hrs.
ACCT 2120	<b>Principles of Financial Accounting</b> (Sophomore standing)	3 hrs.
ACCT 2130	<b>Principles of Managerial Accounting</b> (Sophomore standing; C- or better in ACCT 2120)	3 hrs.
MGMT 2080	<b>Introduction to Information Systems</b> (Sophomore standing)	3 hrs.
MKTG 2110	<b>Principles of Marketing</b> (Sophomore standing; ECON 1031 <u>OR</u> ECON 1041)	3 hrs.
FIN 3130/5130	<b>Corporation Finance</b> (Junior standing; College of Business Admittance; ACCT 2120; ECON 1011; ECON 1041; ECON 1051)	3 hrs.
MGMT 3153	<b>Organizational Management</b> (Junior standing; College of Business Admittance)	3 hrs.
MGMT 3100	<b>Legal &amp; Social Environment of Business</b> (Junior standing; College of Business Admittance)	3 hrs.
MGMT 3154	<b>Operations Management</b> (Junior standing; College of Business Admittance; ACCT 2120; MGMT 2080; ECON 1011; ECON 1021)	3 hrs.
MGMT 4175	<b>Business Policy &amp; Strategy</b> (Senior standing; completion of rest of College of Business Co	3 hrs.

Management Information Systems Major Requirements (6 hours)		Credit
MGMT 2032	<b>Business Application Development I</b> (Sophomore standing; MGMT 2080)	3 hrs.
MGMT 3120	<b>Database Management and Theory</b> (Junior standing; MGMT 2032; MGMT 2034 <u>OR</u> MGMT 2036; MGMT 2080; pre or co-req: MGMT 3112 <u>OR</u> MGMT 3121) (Fall only)	3 hrs.

Business Analytics Emphasis (12 hours)		Credit
MGMT 2036	<b>Business Analytics Fundamentals</b> (Sophomore standing; MGMT 2080; MGMT 2032) (Spring only)	3 hrs.
MGMT 3121	<b>Predictive Business Analytics and Cloud Computing</b> (Junior standing; MGMT 2032; MGMT 2036; MGMT 2080) (Fall only)	3 hrs.
MGMT 3122	<b>Business Intelligence</b> (Junior standing; MGMT 2032; MGMT 2036; MGMT 2080; MGMT 3120) (Spring only)	3 hrs.
MGMT 3126	<b>Business Analytics Projects</b> (Junior standing; MGMT 2032; MGMT 2036; MGMT 2080; MGMT 3120; MGMT 3121; pre or co-req: MGMT 3122) (Spring only)	3 hrs.

**Technical Elective: To Be Determined**

### Professional Readiness Required (0 hours)

**Credit**

BUSINESS 1000	<b>Introductory Seminar for Business Professionals</b>	0 hrs.
BUSINESS 2000	<b>Business Professionals in Training</b> (Business 1000)	0 hrs.

### Professional Readiness Recommended (0 hours)

**Credit**

BUSINESS 3000	<b>Intermediate Professional Skills</b> (Business 2000)	0 hrs.
BUSINESS 4000	<b>Advanced Professional Skills</b> (Business 3000)	0 hrs.

### DOUBLE MAJORS/MINORS POLICY in MANAGEMENT INFORMATION SYSTEMS (MIS)

Management Information Systems majors may declare a double major and/or major and minor within the College of Business, subject to the regulations imposed by the College of Business and those College of Business departments affected. Management Information Systems majors may declare additional College of Business majors in one or more of the following areas only: Accounting, Business Teaching, Economics (any emphasis), Finance, Management, Supply Chain Management, Marketing, and Real Estate. Management Information System majors minoring within the College of Business may select only these minors: Finance, Real Estate/Business, Economics, Business Communication, or International Business/Business. A total cumulative or UNI cumulative GPA of 2.5 is required to declare a double major and/or minor in business.

### ADMISSION STANDARDS

STUDENTS SEEKING A MAJOR IN ACCOUNTING, BUSINESS TEACHING, ECONOMICS (BUSINESS ECONOMICS EMPHASIS), FINANCE, REAL ESTATE, MANAGEMENT, SUPPLY CHAIN MANAGEMENT, MANAGEMENT INFORMATION SYSTEMS, OR MARKETING MUST BE ADMITTED TO THE COLLEGE OF BUSINESS AND MEET ALL COURSE PREREQUISITES BEFORE TAKING UPPER-DIVISION (3000/4000-LEVEL) COLLEGE OF BUSINESS COURSES, INCLUDING MKTG 2110 PRINCIPLES OF MARKETING.

Students are eligible for admission to the College of Business upon completion of the following requirements:

1. Completion of the ALEKS Mathematics Placement Examination
2. 30 Cumulative Semester hours of college credit
3. C- or better in the following Business Core Courses:
  - a. ECON 1021 Decision Analytics OR ECON 1011 Statistics for Business Analytics and
  - b. ECON 1041 Principles of Macroeconomics
4. C- or better in an **approved** English composition course.
5. Total or UNI\* cumulative GPA of at least 2.50 on all university-level courses
6. Declaration of Curriculum form filed with UNI Business Office for Professional Distinction (CBB 5)

**GRADUATION STANDARDS**

1. A cumulative UNI GPA of 2.20 or better.
2. A cumulative GPA of 2.20 or better for all College of Business courses (ACCT, MKTG, MGMT, FIN, ECON) taken at UNI.
3. Earn at least 50% of their business credit hours required for the major at UNI.

Copies of the College of Business admission policy and graduation requirements can be obtained from UNI Business Advising, CBB 5 (tel: 319-273-2144) and can be found online at <http://business.uni.edu/advising>.

## SUGGESTED PROGRAM of STUDY for MIS MAJORS: BUSINESS ANALYTICS EMPHASIS

\*Meet with an advisor to make an official Program of Study\*

### Freshman Year

#### Fall

BUSINESS 1000 Introductory Seminar for Business Professionals	0 hrs.
ECON 1041 Principles of Macroeconomics	3 hrs.
STAT 1772 Intro to Statistical Methods	3 hrs.
Liberal Arts Core / Electives	9 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

#### Spring

ENGLISH 1005 College Writing & Research	3 hrs.
ECON 1011 Statistics for Business Analytics	3 hrs.
ECON 1051 Prin. Of Microeconomics	3 hrs.
Liberal Arts Core / Electives	6 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

### Sophomore Year

#### Fall

ACCT 2120 Principles of Financial Accounting	3 hrs.
MGMT 2080 Introduction to Information Systems	3 hrs.
BUSINESS 2000 Business Professionals in Training	0 hrs.
Liberal Arts Core / Electives	9 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

#### Spring

ACCT 2130 Principles of Managerial Accounting	3 hrs.
ECON 1021 Decision Analytics	3 hrs.
MKTG 2110 Principles of Marketing	3 hrs.
Liberal Arts Core / Electives	6 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

### Junior Year

#### Fall

MGMT 2032 Bus Apps Development I	3 hrs.
MGMT 3153 Organizational Mgmt.	3 hrs.
MGMT 3100 Legal and Social Environment of Business	3 hrs.
Liberal Arts Core/Electives	6 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

#### Spring

FIN 3130/5130 Corporate Finance	3 hrs.
MGMT 2036 Business Analytics Fundamentals	3 hrs.
MGMT 3154 Operations Management	3 hrs.
Liberal Arts Core/Electives	6 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

### Senior Year

#### Fall

MGMT 3121 Predictive Business Analytics & Cloud Computing	3 hrs.
MGMT 3120 Database Mgmt & Theory	3 hrs.
Business Analytics Elective	3 hrs.
Liberal Arts Core/Electives	6 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

#### Spring

MGMT 3122 Business Intelligence	3 hrs.
MGMT 3126 Business Analytics Projects	3 hrs.
MGMT 4175 Business Policy & Strategy	3 hrs.
Liberal Arts Core/Electives	6 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>



## TENTATIVE SCHEDULE of MANAGEMENT COURSES

Note that this schedule is merely a projection. Budget constraints and other unforeseeable circumstances may require adjustments. Summer School offerings depend largely upon demand. Ordinarily we will be able to offer all of our courses, but electives will be limited during the summer.

Course Number	Title	(Semester Offered)		
		Fall	Spring	Summer
MGMT 2032	<b>Business Application Development I</b>	Yes	Yes	No
MGMT 2034	<b>Business Application Development II</b>	Yes	Yes	No
MGMT 2036	<b>Business Analytics Fundamentals</b>	No	Yes	No
MGMT 2080	<b>Introduction to Information Systems</b>	Yes	Yes	Variable
MGMT 3100	<b>Legal and Social Environment of Business</b>	Yes	Yes	Variable
MGMT 3101	<b>Business Law</b>	Yes	No	No
MGMT 3112	<b>Systems Analysis and Design</b>	No	Yes	No
MGMT 3113	<b>Business Communication</b>	Variable	Variable	No
MGMT 3120	<b>Database Management and Theory</b>	Yes	No	No
MGMT 3121	<b>Predictive Business Analytics and Cloud Computing</b>	No	Yes	No
MGMT 3122	<b>Business Intelligence</b>	No	Yes	No
MGMT 3125	<b>Information Systems Development Projects</b>	No	Yes	No
MGMT 3126	<b>Business Analytics Projects</b>	No	Yes	No
MGMT 3127	<b>Decision Support, Analytics and Business Intelligence</b>	Variable	Variable	No
MGMT 3128	<b>Business Application Development III</b>	Variable	Variable	No
MGMT 3140	<b>Information Systems Management</b>	Yes	No	No
MGMT 3145	<b>Information Systems Applications</b>	No	Variable	No
MGMT 3153	<b>Organizational Management</b>	Yes	Yes	Yes
MGMT 3154	<b>Operations Management</b>	Yes	Yes	Yes
MGMT 3155	<b>Human Resource Management</b>	No	Yes	No
MGMT 3161	<b>Supply Chain and Purchasing</b>	Yes	No	No
MGMT 3163	<b>Managerial Problem Solving</b>	Yes	Yes	No
MGMT 3164	<b>Quality and Process Imp</b>	Variable	Variable	No
MGMT 3166	<b>Six Sigma and Lean Consulting Methodology</b>	No	No	Variable (study abroad)
MGMT 3167	<b>Global Strategic Supply Management</b>	No	Yes	No
MGMT 3168	<b>Supply Chain Modeling and Business Analytics</b>	Yes	No	No
MGMT 3169	<b>Service Operations Management</b>	Variable	No	Variable (study abroad)
MGMT 3170	<b>Special Problems</b>	Yes	Yes	Yes
MGMT 3179	<b>Cooperative Education</b>	Yes	Yes	Yes
BUSINESS 3181	<b>Communication and Financial Literacy in Business</b>	Variable	Yes	No
MGMT 3183	<b>Leadership Skills</b>	Yes	Yes	No



MGMT 3185	<b>Project Management</b>	Yes	Yes	No
MGMT 3187	<b>Organization Structure and Design</b>	Variable	Variable	No
MGMT 3189	<b>International Management</b>	Yes	Yes	No
MGMT 3905/5905	<b>Employment and Labor Law</b>	Yes	No	No
MGMT 3965/5965	<b>Organizational Behavior</b>	Yes	Yes	No
MGMT 3966/5966	<b>Staffing &amp; Employee Development</b>	Yes	No	No
MGMT 3968/5968	<b>Compensation and Performance Management Systems</b>	No	Yes	No
MGMT 3969/5969	<b>Management Internship</b>	Yes	Yes	Yes
MGMT 3974/5974	<b>Business, Ethics, and Society</b>	Yes	Variable	No
MGMT 3984/5984	<b>Dynamics of Negotiations</b>	Yes	Yes	Variable
MGMT 4175	<b>Business Policy and Strategy</b>	Yes	Yes	Yes