

Management Information Systems Major: *Business Analytics* (Last Revised 03/2019)

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

Management Information Systems Major Requirements (6 hours)		Credit
MGMT 2032	Business Application Development I (Sophomore standing; MGMT 2080)	3 hrs.
MGMT 3120	Database Management and Theory (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	Business Analytics Fundamentals (Sophomore standing; MGMT 2080)	3 hrs.
MGMT 3121	Predictive Business Analytics and Cloud Computing (Junior standing; MGMT 2032; MGMT 2036; MGMT 2080) (Spring only)	3 hrs.
MGMT 3122	Business Intelligence (Junior standing; MGMT 2032; MGMT 2036; MGMT 2080; MGMT 3120) (Spring only)	3 hrs.
MGMT 3126	Business Analytics Projects (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	Introductory Seminar for Business Professionals	0 hrs.
BUSINESS 2000	Business Professionals in Training (Business 1000)	0 hrs.

Professional Readiness Recommended (0 hours)

Credit

BUSINESS 3000	Intermediate Professional Skills (Business 2000)	0 hrs.
BUSINESS 4000	Advanced Professional Skills (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 Administration, subject to the regulations imposed by the CBA and those CBA departments affected. Management Information Systems majors may declare additional CBA 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 CBA 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 ADMINISTRATION (CBA) AND MEET ALL COURSE PREREQUISITES BEFORE TAKING UPPER-DIVISION (3000/4000-LEVEL) CBA COURSES, INCLUDING MKTG 2110 PRINCIPLES OF MARKETING.

Students are eligible for admission to the CBA 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 UNIBusiness 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 CBA 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.
4. Complete at least 50% of their credit hours required for the degree outside of the College of Business Administration. Up to nine hours of economics (excluding ECON 1021) and six hours of statistics may be counted as outside of CBA.

Copies of the CBA admission policy and graduation requirements can be obtained from UNIBusiness 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

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.
Total semester hours	15 hrs.

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.
Total semester hours	15 hrs.

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.
Total semester hours	15 hrs.

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.
Total semester hours	15 hrs.

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.
Total semester hours	15 hrs.

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.
Total semester hours	15 hrs.

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.
Total semester hours	15 hrs.

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.
Total semester hours	15 hrs.

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.
(Semester Offered)

Course Number	Title	Fall	Spring	Summer
MGMT 2032	Business Application Development I	Yes	Yes	No
MGMT 2034	Business Application Development II	Yes	Yes	No
MGMT 2036	Business Analytics Fundamentals	No	Yes	No
MGMT 2080	Introduction to Information Systems	Yes	Yes	Variable
MGMT 2091	Introduction to Curriculum & Methods for Bus. Ed.	Yes	No	No
MGMT 3100	Legal and Social Environment of Business	Yes	Yes	Variable
MGMT 3101	Business Law	Yes	No	No
MGMT 3112	Systems Analysis and Design	No	Yes	No
MGMT 3113	Business Communication	Variable	Variable	No
MGMT 3117	Field Experience in Business Teaching	No	Yes	No
MGMT 3120	Database Management and Theory	Yes	No	No
MGMT 3121	Predictive Business Analytics and Cloud Computing	No	Yes	No
MGMT 3122	Business Intelligence	No	Yes	No
MGMT 3125	Information Systems Development Projects	No	Yes	No
MGMT 3126	Business Analytics Projects	No	Yes	No
MGMT 3127	Decision Support, Analytics and Business Intelligence	Variable	Variable	No
MGMT 3128	Business Application Development III	Variable	Variable	No
MGMT 3140	Information Systems Management	Yes	No	No
MGMT 3145	Information Systems Applications	No	Variable	No
MGMT 3153	Organizational Management	Yes	Yes	Yes
MGMT 3154	Operations Management	Yes	Yes	Yes
MGMT 3155	Human Resource Management	No	Yes	No
MGMT 3161	Supply Chain and Purchasing	Yes	No	No
MGMT 3163	Managerial Problem Solving	Yes	Yes	No
MGMT 3164	Quality and Process Imp	Variable	Variable	No
MGMT 3166	Six Sigma and Lean Consulting Methodology	No	No	Variable (study abroad)
MGMT 3167	Global Strategic Supply Management	No	Yes	No
MGMT 3168	Supply Chain Modeling and Business Analytics	Yes	No	No
MGMT 3169	Service Operations Management	Variable	No	Variable (study abroad)
MGMT 3170	Special Problems	Yes	Yes	Yes
MGMT 3179	Cooperative Education	Yes	Yes	Yes
MGMT 3181	Communication and Financial Literacy in Business	Variable	Yes	No

MGMT 3183	Leadership Skills	Yes	Yes	No
MGMT 3185	Project Management	Yes	Yes	No
MGMT 3187	Organization Structure and Design	Variable	Variable	No
MGMT 3189	International Management	Yes	Yes	No
MGMT 3191	Advanced Curriculum & Methods for Bus. Ed.	No	Yes	No
MGMT 3905/5905	Employment and Labor Law	Yes	No	No
MGMT 3965/5965	Organizational Behavior	Yes	Yes	No
MGMT 3966/5966	Staffing & Employee Development	Yes	No	No
MGMT 3968/5968	Compensation and Performance Management Systems	No	Yes	No
MGMT 3969/5969	Management Internship	Yes	Yes	Yes
MGMT 3974/5974	Business, Ethics, and Society	Yes	Variable	No
MGMT 3984/5984	Dynamics of Negotiations	Yes	Yes	Variable
MGMT 4175	Business Policy and Strategy	Yes	Yes	Yes