UNI / University of Northern Iowa. College of Business

MANAGEMENT INFORMATION SYSTEMS

Management Information Systems Major: *Systems Development* (Last Revised 06/2021)

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 OR equivalent)	3 hrs.
ECON 1021	**Decision Analytics** (STAT 1772 OR 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; ECON 1031 OR ECON 1041)	3 hrs.
FIN 3130/5130	**Corporation Finance** (Junior standing; College of Business Admittance; ACCT 2120; ECON 1011; ECON 1041; ECON 1051)	3 hrs.
MGMT 3153	**Organizational Management** (Junior standing; College of Business Admittance)	3 hrs.
MGMT 3100	**Legal & Social Environment of Business** (Junior standing; College of Business Admittance)	3 hrs.
MGMT 3154	**Operations Management** (Junior standing; College of Business Admittance; ACCT 2120; MGMT 2080; ECON 1011; ECON 1021)	3 hrs.
MGMT 4175	**Business Policy & Strategy** (Senior standing; completion of rest of College of Business 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; MGMT 2080; pre or co-req: MGMT 3112) (Fall only)	3 hrs.

Systems Development Emphasis Requirements (12 hours)		Credit
MGMT 2034	**Business Application Development II** (Sophomore standing; MGMT 2080; MGMT 2032)	3 hrs.
MGMT 3112	**Systems Analysis and Design** (Junior standing; MGMT 2032) (Spring only)	3 hrs.
MGMT 3125	**Information Systems Development Projects** (Junior standing; MGMT 2032; MGMT 2034; MGMT 2080; MGMT 3112; MGMT 3120) (Spring only)	3 hrs.
MGMT 3140	**Information Systems Managements** (Junior standing; MGMT 2032; MGMT 2034; MGMT 2080; MGMT 3112; pre or co-req: MGMT 3120) (Fall only)	3 hrs.

Select a Technical Elective		Credit
ACCT 3140	**Accounting Information Systems** (Junior standing; ACCT 2120; ACCT 2130; ACCT 3120; MGMT 2080)	3 hrs.
MGMT 3127	**Decision Support, Analytics & Business Intelligence** (Junior standing; MGMT 2032; MGMT 2034; MGMT 2080; MGMT 3112; MGMT 3153) (Offered variably)	3 hrs.
MGMT 3128	**Business Applications Development III** (Junior standing; MGMT 2032; MGMT 2034; MGMT 2080) (Offered variably)	3 hrs.
CS 3610/5610	**Artificial Intelligence** (Junior standing) (3 credit hours – without lab)	3 hrs.

Professional Readiness Requirements (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) | |
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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, 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 <u>Business Core Courses</u>:
   a. ECON 1021 Decision Analytics <u>OR</u> 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 <u>all</u> 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.

UNI / University of Northern Iowa. College of Business

MANAGEMENT INFORMATION SYSTEMS

SUGGESTED PROGRAM of STUDY for MIS MAJORS: SYSTEMS DEVELOPMENT EMPHASIS
Meet with an advisor to make an official Program of Study

Freshman Year

Fall		Spring	
BUSINESS 1000 Intro. Seminar for Business Professionals	3 hrs.	ENGLISH 1005 Col. Writing & Research	3 hrs.
ECON 1041 Principles of Macroeconomics	3 hrs.	ECON 1011 Statistics for Business Analytics	3 hrs.
STAT 1772 Intro to Statistical Methods	3 hrs.	ECON 1051 Prin. Of Microeconomics	3 hrs.
Liberal Arts Core / Electives	6 hrs.	Liberal Arts Core / Electives	6 hrs.
Total semester hours	15 hrs.	Total semester hours	15 hrs.

Sophomore Year

Fall		Spring	
ACCT 2120 Prin. of Financial Acct.	3 hrs.	ACCT 2130 Prin. of Managerial Acct.	3 hrs.
MGMT 2080 Introduction to Information Systems	3 hrs.	MGMT 2032 Business Application Development I	3 hrs.
BUSINESS 2000 Business Prof. in Training	0 hrs.	ECON 1021 Decision Analytics	3 hrs.
Liberal Arts Core / Electives	9 hrs.	Liberal Arts Core / Electives	6 hrs.
Total semester hours	15 hrs.	Total semester hours	15 hrs.

Junior Year

Fall		Spring	
MKTG 2110 Principles of Marketing	3 hrs.	MGMT 3100 Legal and Social Environment of Business	3 hrs.
MGMT 2034 Business Application Development II	3 hrs.	MGMT 3112 Systems Analysis and Design	3 hrs.
MGMT 3153 Organizational Mgmt.	3 hrs.	FIN 3130/5130 Corporation Finance	3 hrs.
Liberal Arts Core/Electives	6 hrs.	Liberal Arts Core/Electives	6 hrs.
Total semester hours	15 hrs.	Total semester hours	15 hrs.

Senior Year

Fall		Spring	
MGMT 3120 Database Management and Theory	3 hrs.	MGMT 3125 Information Systems Development	3 hrs.
MGMT 3140 Information Systems Management	3 hrs.	MGMT 4175 Business Policy & Strategy	3 hrs.
MGMT 3154 Operations Management	3 hrs.	Electives	9 hrs.
MIS Elective (now or in Spring of Sr. Year)	3 hrs.		
Electives	3 hrs.		
Total semester hours	15 hrs.	Total semester hours	15 hrs.

MANAGEMENT INFORMATION SYSTEMS

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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	Fall	Spring	Summer
MGMT 2032	Business Application Development I	Yes	Yes	No
MGMT 2034	Business Application Development II	No	Yes	No
MGMT 2036	Business Analytics Fundamentals	No	Yes	No
MGMT 2080	Introduction to Information Systems	Yes	Yes	Variable
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 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
BUSINESS 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 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