

## Business Analytics Major: Emphasis in Artificial Intelligence (Last Revised 02/2026)

### Required Business Core (42 hours)

ECON 1041	<b>Principles of Macroeconomics</b>	3 hrs.
ECON 1051	<b>Principles of Microeconomics</b> (C- or better ECON 1051)	3 hrs.
STAT 1772	<b>Intro to Statistical Methods</b> (50 on ALEKS)	3 hrs.
ECON 1011	<b>Statistics for Business Analytics</b> (STAT 1772 <u>OR</u> equivalent)	3 hrs.
ECON 2090	<b>Decision Analytics</b> (STAT 1772; prerequisite <u>OR</u> corequisite: MGMT 2080)	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>	3 hrs.
MKTG 2110	<b>Principles of Marketing</b> (ECON 1031 <u>OR</u> ECON 1041 <u>OR</u> ECON 1051)	3 hrs.
FIN 3130/5130	<b>Corporation Finance</b> (junior standing; Wilson College of Business admittance; ACCT 2120; ECON 1011; ECON 1041; ECON 1051; STAT 1772 <u>OR</u> equivalent)	3 hrs.
MGMT 3965	<b>Organizational Behavior</b> (junior standing; Wilson College of Business admittance)	3 hrs.
MGMT 3100 <u>OR</u> ACCT 3075*	<b>Legal &amp; Social Environment of Business</b> (junior standing; Wilson College of Business admittance) <b>Legal Concepts for the Accountant</b> (junior standing; Wilson College of Business admittance)	3 hrs.
MGMT 3154	<b>Operations Management</b> (junior standing; Wilson College of Business admittance; ACCT 2120; MGMT 2080; ECON 1011; ECON 2090; STAT 1772 <u>OR</u> equivalent)	3 hrs.
MGMT 4175	<b>Strategic Management</b> (senior standing; completion of rest of Wilson business core)	3 hrs.

\*Accounting majors will take ACCT 3075. Non-accounting majors will take MGMT 3100.

### Business Analytics Major Requirements (3 hours)

MGMT 2032	<b>Introduction to Programming for Business</b> (sophomore standing; MGMT 2080) (fall only)	3 hrs.
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### Artificial Intelligence Emphasis Requirements (15 hours)

MGMT 2038	<b>AI Foundations for Business</b> (MGMT 2080) (spring only)	3 hrs.
MGMT 3124	<b>Applied Programming for AI in Business</b> (MGMT 2032) (fall only)	3 hrs.
MGMT 3138	<b>Generative AI and Natural Language Processing for Business</b> (junior standing; MGMT 2038) (fall only)	3 hrs.
MGMT 3974/5974	<b>Ethics, Responsible AI, and Business</b> (junior standing; MGMT 3100 <u>OR</u> 3 hours in philosophy <u>OR</u> 3 hours in religious studies) (spring only)	3 hrs.
MGMT 4100	<b>Applied AI Projects for Business</b> (MGMT 3124) (spring only)	3 hrs.

**Professional Readiness Required (0 hours)**

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)**

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 BUSINESS ANALYTICS**

Business analytics majors may declare a double major and/or major and minor within the Wilson College of Business, subject to the regulations imposed by the Wilson College of Business and those Wilson College of Business departments affected. Business analytics majors may declare additional Wilson 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. Business analytics majors minoring within the Wilson 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, HUMAN RESOURCE MANAGEMENT, SUPPLY CHAIN MANAGEMENT, BUSINESS ANALYTICS, MANAGEMENT INFORMATION SYSTEMS, OR MARKETING MUST BE ADMITTED TO THE WILSON COLLEGE OF BUSINESS AND MEET ALL COURSE PREREQUISITES BEFORE TAKING UPPER-DIVISION (3000/4000-LEVEL) WILSON COLLEGE OF BUSINESS COURSES.

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

1. 30 Cumulative Semester hours of college credit
2. C- or better in the following business core courses:
  - a. ECON 2090 Decision Analytics OR ECON 1011 Statistics for Business Analytics and
  - b. ECON 1041 Principles of Macroeconomics
3. C- or better in an **approved** English composition course.
4. Total or UNI\* cumulative GPA of at least 2.50 on all university-level courses
5. Declaration of Curriculum form filed with the 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 Wilson College of Business courses (ACCT, ENTR, 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 Wilson College of Business admission policy and graduation requirements can be obtained from Office of Professional Distinction, CBB 5 (tel: 319-273-2144).

## SUGGESTED PROGRAM of STUDY for BUSINESS ANALYTICS

\*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.
UNIFI / 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.
UNIFI / 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.
UNIFI / Electives	9 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

#### Spring

ACCT 2130 Principles of Managerial Accounting	3 hrs.
ECON 2090 Decision Analytics	3 hrs.
MKTG 2110 Principles of Marketing	3 hrs.
UNIFI / Electives	6 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

### Junior Year

#### Fall

MGMT 2032 Introduction to Programming for Business	3 hrs.
MGMT 3965 Organizational Behavior	3 hrs.
MGMT 3100 Legal and Social Environment of Business	3 hrs.
UNIFI /Electives	6 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

#### Spring

FIN 3130/5130 Corporate Finance	3 hrs.
MGMT 2038 AI Foundations for Business	3 hrs.
MGMT 3154 Operations Management	3 hrs.
UNIFI /Electives	6 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

### Senior Year

#### Fall

MGMT 3124 Applied Programming for AI in Business	3 hrs.
MGMT 3138 Generative AI and Natural Language Processing for Business	3 hrs.
UNIFI/Electives	9 hrs.
<b>Total semester hours</b>	<b>15 hrs.</b>

#### Spring

MGMT 3974/5974 Ethics, Responsible AI, and Business	3 hrs.
MGMT 4100 Applied AI Projects for Business	3 hrs.
MGMT 4175 Strategic Management	3 hrs.
UNIFI/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	Introduction to Programming for Business	Yes	No	No
MGMT 2034	Business Application Development	No	Yes	No
MGMT 2036	Business Analytics Fundamentals	No	Yes	No
MGMT 2038	AI Foundations for Business	No	Yes	No
MGMT 2080	Introduction to Information Systems	Yes	Yes	No
MGMT 2113	Business Communication	Yes	Yes	No
MGMT 3100	Legal and Social Environment of Business	Yes	Yes	No
MGMT 3101	Business Law	No	Yes	No
MGMT 3112	Systems Analysis and Design	No	Yes	No
MGMT 3114	Management of Family-Owned Business	Yes	No	No
MGMT 3120	Database Management and Theory	Yes	No	No
MGMT 3121	Advanced Business Analytics	Yes	Yes	No
MGMT 3122	Business Intelligence	No	Variable	No
MGMT 3124	Applied Programming for AI in Business	Yes	No	No
MGMT 3125	Information Systems Development Projects	No	Yes	No
MGMT 3138	Generative AI and Natural Language Processing for Business	Yes	No	No
MGMT 3140	Information Systems Management	Yes	No	No
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	Creative Problem Solving	Yes	Yes	No
MGMT 3166	Six Sigma and Lean Consulting Methodology	No	Yes	Variable (study abroad)
MGMT 3167	Global Supply Chain Management	No	Yes	No
MGMT 3168	Supply Chain Modeling and Business Analytics	Yes	No	No
MGMT 3169	Service Operations Management	No	No	Variable
MGMT 3170	Special Problems	Yes	Yes	Yes
MGMT 3179	Cooperative Education	Yes	Yes	Yes
MGMT 3183	Leadership Skills	No	Yes	No





MGMT 3185	<b>Project Management</b>	Yes	Yes	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	Variable
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>Ethics, Responsible AI, and Business</b>	Yes	Yes	No
MGMT 3984/5984	<b>Dynamics of Negotiations</b>	Yes	Yes	No
MGMT 4100	<b>Applied AI Projects for Business</b>	No	Yes	No
MGMT 4175	<b>Strategic Management</b>	Yes	Yes	Yes

