MANAGEMENT INFORMATION SYSTEMS CONCENTRATION - BUSINESS ADMINISTRATION (B.S.)

Information systems play a critical role in all areas of business. The **Management Information Systems concentration in the Business Administration major** focuses on using methods and tools, such as Python, SQL, cloud computing, database systems, and systems analysis and design, to solve business problems and make businesses more efficient. Students will apply what they have learned in an internship.

In the Management Information Systems profession, individuals analyze business situations and leverage technology to create innovative business solutions and opportunities, transform business operations, improve business performance, and manage business processes and resources. They help businesses implement new information technologies on time and on budget.

Admission Criteria:
Overall GPA − 3.0

120 credits of coursework is required for the baccalaureate degree with a minimum 2.0 overall GPA, and a minimum 2.0 major GPA.

Degree Requirements Overview

Code	Title	Credits
	New Student Seminar	1
	SEEDS General Education Requirements	15-18
	Major Requirements	42
	Concentration Requirements	21
	Free Electives	41-38
Total Credits		**120**

Major Requirements

Code	Title	Credits
Business Administration Required Core		
Business Fundamentals		
ACCT 204	Fundamentals of Accounting (Students in the Finance concentration take ACCT 201)	3
or ACCT 201	Fundamentals of Financial Accounting	
BSLW 235	Legal, Ethical, and Global Environment of Business	3
BCOM 280	Strategic Business Communications	3
INFO 290	Technology in Business	3
MGMT 201	Business Ethics and Social Impact	3
MGMT 439	Applied Business Strategy	3
Integrated Core		
FINC 300	Integrated Core: Finance	3
INFO 300	Integrated Core: Operations Management	3
MGMT 300	Integrated Core: Management	3
MKTG 300	Integrated Core: Marketing	3
Collateral Courses		
ECON 101	Applied Macroeconomics	3
ECON 102	Applied Microeconomics	3
INFO 173	Spreadsheet Modeling for Business Decisions	3
INFO 240	Statistical Methods in Business	3
Business Administration Career Learning		
BUGN 310	Campus to Career Transition Course I: Prepare for Your Career	0
BUGN 320	Campus to Career Transition Course II: On the Job Success	0
Total Credits		**42**

Management Information Systems Concentration Requirements

Code	Title	Credits
Required Concentration Courses		
INFO 210	Database Systems	3
INFO 342	Information Technology Infrastructure	3
INFO 257	Programming for Business	3
INFO 360	MIS Co-Op	3
or INFO 361	Information Technology Projects	
INFO 496	Advanced Systems Analysis and Design	3
Concentration Electives		
Complete 6 credits from the following:		6
INFO 265	Foundations of Business Analytics and Artificial Intelligence	
INFO 266	Data Analysis and Visualization	
INFO 351	Fundamentals of Project Management	
INFO 414	Information Security System Management	
INFO 416	Business Process Analysis and Enterprise Systems	
INFO 470	Electronic Commerce: Creating Business Value Using Information Technology	
INFO 491	Independent Study in Information Systems	
INFO 492	Special Topics in Information Systems	
Total Credits		**21**

New Student Seminar

Code	Title	Credits
Students in the Adult Learner program must take GNED 100.		
Complete one course from the following. Some courses may be restricted by major. Consult with an academic advisor.		1
ADVS 198	Pathways to Success	
CHEM 190	Freshman Seminar in Chemistry	
FYS 100	First Year Seminar	
GNED 100	Adult Academic Success Seminar	
GNED 199	New Student Seminar	
HPEM 199	Freshman Seminar in Health and Physical Education	
IDS 155	Pathways to Adult Learning	
JUST 199	New Student Seminar	
MATH 102	New Student Experience for Mathematical Sciences	
MUGN 199	Freshman Seminar for Music Majors	

NURS 199	Introduction to Nursing	
POLS 199	Freshman Seminar in Political Science and Law	

SEEDS General Education Requirements

Click here for a list of courses that fulfill the SEEDS requirements. (http://catalog.montclair.edu/programs/seeds-general-education-requirements/)

Code	Title	Credits
Foundations		
Effective Writing I		
Complete one Effective Writing I course.		3
Effective Writing II		
Fulfilled by BCOM 280 in the major.		
Interactive Communication		
Complete one Interactive Communication course.		3
Quantitative Reasoning		
Fulfilled by INFO 240 in the major.		
Political and Civic Life		
Fulfilled by ECON 102 in the major.		
World Languages		
Complete two sequential classes in one World Language when starting at the Beginner I or Beginner II level. Complete one class when starting at the Intermediate/Advanced Level.		3-6
Exploration		
Complete one course from four different Exploration categories.		6
Analyzing Cultures and Societies		
Fulfilled by ECON 101 in the major.		
Creative Expression		
Ethical Inquiry		
Fulfilled by MGMT 201 in the major.		
Historical Thinking		
Literary and Artistic Analysis		
Scientific Reasoning		
Total Credits		**15-18**

Recommended Roadmap to Degree Completion

This recommended degree plan is provided as an outline for students to follow in order to complete their degree requirements within four years and 120 credits. This plan is a recommendation and MUST be used in consultation with their academic advisor. Important note: Students should be aware this plan assumes no pre-requisite coursework is required. If pre-requisite coursework is needed, students may have additional requirements to fulfill which do not appear on the plan.

First Year

Fall	Credits	Spring	Credits
New Student Seminar	1	BCOM 280 (Fulfills SEEDS: Effective Writing II)	3
SEEDS: Effective Writing I	3	INFO 240 (Fulfills SEEDS: Quantitative Reasoning)	3
ECON 102 (Fulfills SEEDS: Political and Civic Life)	3	ECON 101 (Fulfills SEEDS: Exploration – Analyzing Cultures and Societies)	3
MGMT 201 (Fulfills SEEDS: Exploration - Ethical Inquiry)	3	ACCT 204	3
INFO 173 (Fulfills General Education G category.)	3	INFO 290	3
MATH 100 (or Free Elective)	3		
	16		15

Second Year

Fall	Credits	Spring	Credits
SEEDS: Interactive Communication	3	INFO 300	3
INFO 210	3	MGMT 300	3
INFO 257	3	MKTG 300	3
BSLW 235	3	FINC 300	3
BUGN 310	0	BUGN 320	0
Free Elective	3	Concentration Elective 1	3
	15		15

Third Year

Fall	Credits	Spring	Credits
SEEDS: World Language 1	3	SEEDS: World Language 2	3
INFO 342	3	INFO 496	3
INFO 360 or 361	3	Concentration Elective 2	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
	15		15

Fourth Year

Fall	Credits	Spring	Credits
SEEDS: Exploration 3	3	SEEDS: Exploration 4	3
MGMT 439	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	3
Free Elective	3	Free Elective	2
	15		14

Total Credits 120