

BUSINESS ADMINISTRATION - MANAGEMENT OF INFORMATION TECHNOLOGY CONCENTRATION (B.S.)

Information systems play a critical role in all areas of business. The **Management of Information Technology 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 of Information Technology 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.

Program Requirements Overview

Code	Title	Credits
General Education Requirements		30
World Languages and Cultures Requirements		3-9
Major Requirements		42
Concentration Requirements		21
Free Electives		24-18
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
BUGN 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 I	0
BUGN 320	Campus To Career Transition II	0
Total Credits		42

Management of Information Technology Concentration Requirements

Code	Title	Credits
Required Concentration Courses		
INFO 310	Database Management Systems	3
INFO 342	Information Technology Infrastructure	3
INFO 357	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 351	Fundamentals of Project Management	
INFO 365	Foundations of Business Analytics	
INFO 414	Information Security System Management	
INFO 416	Business Process Analysis and Enterprise Systems	
INFO 440	Data Analysis and Visualization	
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

General Education Requirements

Click here for a list of courses that fulfill General Education categories. (<http://catalog.montclair.edu/programs/general-education-requirements-ba-bs/>)

Code	Title	Credits
A. New Student Seminar		
Complete a 1 credit New Student Seminar course.		1
C. Communication		
1. Writing		3
2. Literature		3
3. Communication		3
D. Fine and Performing Arts		
Complete a 3 credit Fine and Performing Arts course.		3
F. Humanities		
1. Great Works and Their Influences		3
2. Philosophical and Religious Perspectives		3
G. Computer Science		
INFO 173	Spreadsheet Modeling for Business Decisions (Fulfilled in the major.)	

H. Mathematics	
INFO 240	Statistical Methods in Business (Fulfilled in the major.)
I. Natural Science Laboratory	
Complete a 4 credit Natural Science Laboratory course.	
4	
J. Physical Education	
Complete a 1 credit Physical Education course.	
1	
K. Social Science	
1. American and European History	
3	
2. Global Cultural Perspectives	
3	
3. Social Science Perspectives	
ECON 101	Applied Macroeconomics (Fulfilled in the major.)
L. Interdisciplinary Studies	
ECON 102	Applied Microeconomics (Fulfilled in the major.)
Total Credits	
30	

World Languages and Cultures Requirements

Click here for a list of courses that fulfill World Languages and Cultures categories. (<http://catalog.montclair.edu/programs/world-languages-and-cultures-requirements/>)

Code	Title	Credits
World Languages		
Based on language placement exam, complete one or two sequential courses in the same language. Requirement is automatically fulfilled by language major courses.		3-6
World Cultures		
Requirement may be fulfilled by course selected in General Education - Social Science: Global Cultural Perspectives. Requirement may also be fulfilled by major coursework. See list of courses.		0-3
Total Credits		3-9

Recommended Roadmap to Degree Completion

This recommended four-year plan is provided as an outline for students to follow in order to complete their degree requirements within four years. This plan is a recommendation and students should only use it in consultation with their academic advisor.

First Year			
Fall	Credits	Spring	Credits
GENERAL EDUCATION: (A) New Student Seminar	1	GENERAL EDUCATION: (C2) Literature	3
GENERAL EDUCATION: (C1) Writing	3	ECON 101 (Fulfills General Education K3 category)	3
GENERAL EDUCATION: (C3) Communication	3	INFO 240 (Fulfills General Education H category)	3
ECON 102 (Fulfills General Education L category.)	3	INFO 290	3

INFO 173 (Fulfills General Education G category.)	3	MGMT 201	3
MATH 100	3		
16		15	

Second Year			
Fall	Credits	Spring	Credits
ACCT 204		BUGN 310	0
BUGN 280		FINC 300	3
BSLW 235		INFO 300	3
INFO 310		MGMT 300	3
INFO 342		MKTG 300	3
		Concentration Elective	3
15		15	

Third Year			
Fall	Credits	Spring	Credits
GENERAL EDUCATION (I) Natural Science Laboratory	4	GENERAL EDUCATION (D) Fine and Performing Arts	3
World Language 1	3	GENERAL EDUCATION (K1) Social Science – American and European History	3
INFO 357		World Language 2	3
INFO 360 or 361		Concentration Elective	3
Free Elective		Free Elective	3
16		15	

Fourth Year			
Fall	Credits	Spring	Credits
GENERAL EDUCATION (F1) Humanities – Great Works and Their Influences	3	GENERAL EDUCATION (F2) Humanities – Philosophical and Religious Perspectives	3
GENERAL EDUCATION (K2) Social Science – Global Cultural Perspectives	3	World Cultures	3
GENERAL EDUCATION (J) Physical Education	1	INFO 496	3
BUGN 320		Free Elective	3
MGMT 439		Free Elective	3
Free Elective		3	
13		15	

Total Credits 120