

School of Business - Information Systems and Operations Management, BS

Catalog Year: 2019 - 2020		Grades		
Mason Core Requirements (26 credits)	Course Information	Credits	Earned	Needed
Written Communication	ENGH 101 (100)	3		
Oral Communication		3		
*Quantitative Reasoning	*Satisfied by Major Requirement (MATH 108, 113, or 114)			
*Information Technology	*Satisfied by Major Requirement (MIS 303)			
Arts		3		
*Global Understanding	*Satisfied by Major Requirement (BUS 200)			
Literature		3		
Natural Science (lab science)		4		
Natural Science (lab science)		4		
*Social and Behavioral Sciences	*Satisfied by Major Requirement (BUS 100)			
Western Civilization/World History		3		
Written Communication	ENGH 302	3		
*Synthesis	*Satisfied by Major Requirement (BUS 498)			
School of Business students required to complete 8 credits of natural science by completing two 4-credit laboratory sciences				
Business Foundation Requirements (27-28 credits)				
ACCT 203	Survey of Accounting	3		
BUS 100	Business and Society	3		
BUS 103	Develop Professional Skills I: Foundational Elements	3		
BUS 200	Global Environment of Business	3		
BUS 210	Business Analytics I	3		
BUS 310	Business Analytics II	3		
ECON 103	Contemporary Microeconomic Principles	3		
ECON 104	Contemporary Macroeconomic Principles	3		
MATH 108, MATH 113, or MATH 114	Intro Calculus with Business Applications	3-4		
Business Core Requirements (24 credits)				
ACCT 303	Accounting for Decision Making	3		
BULE 303	Legal Environment of Business	3		
BUS 303	Develop Professional Skills II: Advanced Elements	3		
FNAN 303	Financial Management	3		
MGMT 303	Principles of Management	3		
MIS 303	Introduction to Business Information Systems	3		
MKTG 303	Principles of Marketing	3		
OM 303	Operations Management	3		
ISOM Major Requirements (21 credits)				
Required Courses (9 credits)				
MIS 310	Database Management Systems	3		
MIS 330	Systems Analysis and Design	3		
OM 493	Management of Technology Projects	3		
ISOM Major Elective or Optional Concentration (12 credits): Select 12 credits from the approved list to fulfill the elective requirement as well as any other 300-400 level MIS or OM courses. Students have considerable flexibility in their choice of electives and may choose from two concentrations of study: one in Operations Management (OM) and the other in Management Information Systems (MIS). Excluding MIS 303 Introduction to Business Information Systems (Mason Core) or OM 303 Operations Management.				
ISOM Major Elective #1:		3		
ISOM Major Elective #2:		3		
ISOM Major Elective #3:		3		
ISOM Major Elective #4:		3		
A grade of C or higher must be earned in the business foundations, business core and major requirements				
Major Capstone Course	BUS 498	3		
Additional Electives (18-19 credits)		18-19		
Degree Notes				
Approx 18-19 remaining credits may be completed with elective courses to bring the degree total to 120 with 45 of these credits at the 300/400 level				

**Catalog Year 2019-2020 Sample 4-Year Schedule
BS in Information Systems & Operations Management (ISOM)**

FIRST YEAR

<u>Semester 1 – Fall</u>	Credits	<u>Semester 2 – Spring</u>	Credits
ECON 103 or MATH 108*	3	ECON 103 or MATH 108*	3
BUS 103 or COMM 101*	3	BUS 103 or COMM 101*	3
ENGH 101* (or 100) or BUS 100*	3 (or 4)	ENGH 101* (or 100) or BUS 100*	3 (or 4)
Fine Arts* or HIST 100*/125*	3	ECON 104	3
General Elective	3	Laboratory Science*	4
(MATH 008 self-paced tutorial if needed)	(0)		
Semester Credits:	15	Semester Credits:	16
Cumulative Credits:	15	Cumulative Credits:	31

SECOND YEAR

<u>Semester 3 – Fall</u>	Credits	<u>Semester 4 – Spring</u>	Credits
ACCT 203 Survey of Accounting	3	MIS 303* Management Info Systems	3
BUS 200* Global Environment of Business	3	MKTG 303 Principles of Marketing	3
BUS 210 Business Analytics I	3	BUS 310 Business Analytics II	3
Laboratory Science*	4	Fine Arts* or HIST 100*/125*	3
Literature*	3	General Elective	3
Semester Credits:	16	Semester Credits:	15
Cumulative Credits:	47	Cumulative Credits:	62

THIRD YEAR

<u>Semester 5 – Fall</u>	Credits	<u>Semester 6 – Spring</u>	Credits
ACCT 303 Accounting for Decision Making	3	MIS 330 Systems Analysis & Design	3
MIS 310 Database Management Systems	3	ISOM Elective	3
OM 303 Operations Management	3	BULE 303 Legal Environment of Business	3
MGMT 303 Principles of Management	3	FNAN 303 Financial Management	3
ENGH 302 (Business section recommended)	3	General Elective	3
Semester Credits:	15	Semester Credits:	15
Cumulative Credits:	77	Cumulative Credits:	92

FOURTH YEAR

<u>Semester 7 – Fall</u>	Credits	<u>Semester 8 – Spring</u>	Credits
OM 493 Management of Tech Projects	3	ISOM Elective	3
ISOM Elective	3	ISOM Elective	3
BUS 303 Professional Skills II	3	BUS 498* Business Capstone	3
General Elective	3	General Elective	3
General Elective	3	General Elective	1
Semester Credits:	15	Semester Credits:	13
Cumulative Credits:	107	Cumulative Credits:	120

ISOM Electives:

MIS 302	Introduction to Programming for Business Applications	MIS 499	Independent Study in Management Information Systems
MIS 320	Networks and Security	OM 320	Supply Chain Management in a Global Economy
MIS 410	Advanced Database Systems	OM 352	Management Science
MIS 412	E-Business Systems Development	OM 435	Business Process Analysis and Simulation
MIS 415	Information Systems Audit and Control	OM 452	Business Forecasting
MIS 420	Information Security and Assurance	OM 456	Quality Management
MIS 430	Data Warehousing	OM 462	Honors Seminar in Operations Management
MIS 431	Data Mining for Business Applications	OM 499	Independent Study in Operations Management
MIS 432	Advanced Data Mining	MIS 492	Internship
MIS 462	Honors Seminar in Management Information Systems	OM 492	Internship
MIS 491	Seminar in Management Information Systems		

SCHOOL OF BUSINESS POLICIES

Minimum Grade

- All School of Business Courses require a minimum grade of C.
- Finance majors are required to earn a B- or higher in FNAN 303

Termination Policy

- Students will not be permitted to make more than three attempts to achieve a C or higher in the following School of Business Core courses:
 - ACCT 303/ACCT 330
 - BULE 303
 - BUS 303
 - FNAN 303
 - MGMT 303
 - MIS 303
 - MKTG 303
 - OM 303
- Accounting majors will not be permitted to make more than three attempts to achieve a C or higher in Accounting Major courses.
- Once a student has attempted a School of Business Core or Accounting major course twice unsuccessfully, they must meet with an academic advisor in order to receive an override to register for the third attempt. Those who do not successfully complete these core courses within three attempts will be terminated from their major and will not be eligible to receive a degree from the School of Business. Students terminated from the School of Business are prohibited from enrolling in any School of Business course.

*MASON CORE

The Mason Core is Mason's general education program that builds the foundation for The Mason Graduate. All undergraduates seeking a baccalaureate degree must complete Mason Core requirements.

Mason Core Requirement:	Course:
Written Communication	ENG 101 (or 100)
Oral Communication	COMM 101
Quantitative Reasoning	MATH 108
Information Technology and Computing	MIS 303
Art	Approved course from catalog.gmu.edu/mason-core
Global Understanding	BUS 200
Literature	Approved course from catalog.gmu.edu/mason-core
Natural Science	Approved Lab Science from catalog.gmu.edu/mason-core
Social and Behavioral Sciences	BUS 100
Western Civilization/World History	HIST 100 or 125
Written Communication (Upper Level)	ENGH 302
Capstone/Synthesis	BUS 498