

MANAGEMENT INFORMATION SYSTEMS: DATA SCIENCE, BSBA

Requirements for Students Matriculating in or before Academic Year 2018-2019. Learn more about University Academic Regulation 3.1 (<http://catalog.okstate.edu/university-academic-regulations/#matriculation>).

Minimum Overall Grade Point Average: 2.00
Total Hours: 120

Code	Title	Hours
General Education Requirements		
<i>English Composition</i>		
See Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations/#english-composition)		
ENGL 1113 or ENGL 1313	Composition I Critical Analysis and Writing I	3
ENGL 1213 or ENGL 1413	Composition II Critical Analysis and Writing II	3
<i>American History & Government</i>		
HIST 1103	Survey of American History	3
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
MATH 1483 or MATH 1513	Mathematical Functions and Their Uses (A) College Algebra (A)	3
<i>Humanities (H)</i>		
Courses designated (H)		6
<i>Natural Sciences (N)</i>		
Must include one Laboratory Science (L) course		
Courses designated (N) with one (L)		7
<i>Social & Behavioral Sciences (S)</i>		
Course designated (S)		3
<i>Additional General Education</i>		
MATH 2103	Business Calculus (A) ¹	3
MGMT 3013	Fundamentals of Management (S) ^{1,2}	3
MKTG 3213	Marketing (S) ^{1,2}	3
Hours Subtotal		40
Diversity (D) & International Dimension (I)		
May be completed in any part of the degree plan		
At least one Diversity (D) course		
At least one International Dimension (I) course		
College/Departmental Requirements		
<i>Business Freshman Seminar</i>		
BADM 1111	Business First Year Seminar	1
<i>Career Planning for Business Success</i>		
BADM 2111	Career Planning for Business Success ¹	1
<i>Professional Development for Business Development</i>		
BADM 3111	Professional Development for Business Success ¹	1
Hours Subtotal		3

Major Requirements

A minimum GPA of 2.20 is required in these 66 hours		
<i>Common Body</i> ²		
ACCT 2003	Survey of Accounting ¹	3
BADM 3113	Interpersonal Skills ¹	3
ECON 2003	Microeconomic Principles for Business ¹	3
EEE 2023	Introduction to Entrepreneurship	3
FIN 3113	Finance	3
LSB 3213	Legal and Regulatory Environment of Business	3
MGMT 4513	Strategic Management	3
MSIS 2103	Business Data Science Technologies	3
MSIS 3223	Operation Analytics	3
<i>Management Information Systems Major Requirements</i>		
A GPA of 2.00 is required in these 39 hours of Management Information Systems Major Requirements		
20 of these 39 hours must be in residence at OSU		
MSIS 2203	Computer Programming for Business	3
MSIS 4123	Information Assurance Management	3
MSIS 3333	Database Systems Design, Management and Administration	3
MSIS 3363	Web Application Development	3
MSIS 4003	Systems Analysis and Design	3
MSIS 4033	Information Systems Project Management and Communication	3
Select 12 hours of the following:		12
MSIS 3233	Management Science - Prescriptive Analytics	
MSIS 3243	Managerial Decision Theory	
MSIS 4263	Decision Support and Business Intelligence Applications	
MSIS 4623	Data Science Programming	
MSIS 4673	Data Visualization	
Select 9 hours of the following:		9
ACCT 3103	Intermediate Accounting I	
ACCT 3113	Intermediate Accounting II	
ACCT 3203	Cost Accounting	
ACCT 3603	Accounting Information Systems	
ACCT 4653	Contemporary Integrated Accounting and Business Systems	
CS 2133	Computer Science II	
CS 2351	Unix Programming	
CS 2433	C/C++ Programming	
Any upper-division CS courses except CS 4113 and CS 4883		
ECON 4213	Econometric Methods	
ECON 4223	Business and Economic Forecasting	
FIN 4223	Investments	
FIN 4333	Financial Management	
IEM 4103	Quality Control	
IEM 4203	Facilities and Material Handling System Design	
IEM 4713	Systems Simulation Modeling	
MATH 3013	Linear Algebra	

MATH 4553	Linear and Nonlinear Programming	
MKTG 3323	Consumer and Market Behavior	
MKTG 3513	Sales Management	
MKTG 4223	Supply Chain Management	
MKTG 4333	Marketing Research	
MKTG 4773	Services Marketing	
MSIS	any upper division courses	
STAT 3013	Intermediate Statistical Analysis	
STAT 4033	Engineering Statistics	
STAT 4043	Applied Regression Analysis	
STAT 4053	Statistical Methods I for the Social Sciences (A)	
STAT 4203	Mathematical Statistics I	
STAT 4213	Mathematical Statistics II	
Hours Subtotal		66
Electives		
Select 11 hours		11
May be selected from any upper- or lower-division area except activity courses in LEIS and PE and lower-division AERO and MLSC. Twelve credit hours earned in advanced AERO and MLSC, exclusive of credit earned for summer camp, may be included in the 120 hours.		
Hours Subtotal		11
Total Hours		120

¹ Courses also meet College and Departmental Requirements and cannot be waived with an Associate's degree.

² MGMT 3013 Fundamentals of Management (S) and MKTG 3213 Marketing (S) are common body requirements, but are counted in general education requirements.

Other Requirements

1. A minimum of 50 percent of the business hours required for a degree must be in residence at OSU.
2. Forty-five hours of upper division courses required.

Additional State/OSU Requirements

- **At least:** 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 and 50% of the upper-division hours in the major field completed at OSU.
- **Limit of:** one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2024.