

DATA ANALYTICS, BSBA

Degree Requirements

Requirements for Students Matriculating in or before Academic Year 2024-2025. Learn more about University Academic Regulation 3.1 (<http://catalog.okstate.edu/university-academic-regulations/#matriculation>).

Minimum Overall Grade-Point Average: 2.50

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	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
ENGL 1213	Composition II	3
or ENGL 1413	Critical Analysis and Writing II	
<i>American History & Government</i>		
HIST 1103	Survey of American History	3
or HIST 1483	American History to 1865 (H)	
or HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
<i>Analytical & Quantitative Thought (A)</i>		
3 hours of MATH or STAT designated "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>		
MSIS 2233	Business Analytics Fundamentals (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		
Business Freshman Seminar		
UNIV 1111	First Year Seminar (or other approved first year seminar course)	1
BADM 2111	Career Planning for Business Success ¹	1
BADM 3111	Professional Development for Business Success ¹	1
Hours Subtotal		3
Major Requirements		
A maximum GPA of 2.20 is required in these 64 hours.		

Common Body

ACCT 2003	Survey of Accounting ^{1,3}	3
or		
ACCT 2103 & ACCT 2203	Financial Accounting and Managerial Accounting ^{1,3}	
BADM 3113	Practical Business and 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	Principles of Data Analytics	3
<i>Data Analytics Major Requirements</i>		
A GPA of 2.00 is required in these 37 hours of Data Analytics requirements.		
19 of these 37 hours must be in residence at OSU.		
MSIS 3233	Management Science - Prescriptive Analytics	3
MSIS 3243	Descriptive Analytics	3
MSIS 3293	Business Analytics Programming	3
MSIS 3333	Database Systems Development	3
MSIS 4010	Applied Analytics and Information System Studies	3
MSIS 4111	Technology Success Skills Application	1
MSIS 4263	Business Intelligence and Predictive Analytics	3
MSIS 4333	Data Wrangling	3
MSIS 4673	Data Visualization	3
Select 6 hours from the following:		6
MKTG 3653	Marketing Analytics	
MKTG 4333	Marketing Research	
ECON 4213	Econometric Methods	
ECON 4223	Business and Economic Forecasting	
ECON 4233	Econometric Applications	
FIN 4550	Selected Topics in Finance	
MGMT 4543	Management Analytics	
Upper-division MSIS		
Upper-division MATH		
Upper-division STAT		
Select 6 hours from the following:		6
Any upper-division ACCT, ECON, FIN, EEE, MKTG, MGMT, MSIS, HTM, MATH, and STAT.		
Any CS courses except CS 1111, CS 4113, and CS 4883.		
Hours Subtotal		64
Electives		
Select 13 hours		13
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	13
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.

3

If ACCT 2103 and ACCT 2203 are substituted for ACCT 2003, hours in the Elective block are reduced by 3.

Other Requirements

1. A minimum of 50 percent of the business hours required for a degree must be OSU delivered in residence or OSU online courses.
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 or 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 2030.

Example Plan of Study

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
UNIV 1111	First Year Seminar	1
ENGL 1113 or ENGL 1313	Composition I or Critical Analysis and Writing I	3
HIST 1103 or HIST 1483 or HIST 1493	Survey of American History or American History to 1865 (H) or American History Since 1865 (DH)	3
MSIS 2103	Business Data Science Technologies	3
3 hours of MATH or STAT designated 'A'		3
Social Science (S with D or I designations)		3
Hours		16
Spring		
ENGL 1213 or ENGL 1413	Composition II or Critical Analysis and Writing II	3

MSIS 2233	Business Analytics Fundamentals (A)	3
ECON 2003	Microeconomic Principles for Business	3
MSIS 3293	Business Analytics Programming	3
Natural Science with Lab (LN)		4

Hours **16**

Sophomore

Fall

EEE 2023	Introduction to Entrepreneurship	3
ACCT 2003	Survey of Accounting	3
BADM 2111	Career Planning for Business Success	1
MSIS 3223	Principles of Data Analytics	3
MKTG 3213	Marketing (S)	3
MSIS 3333	Database Systems Development	3

Hours **16**

Spring

MGMT 3013	Fundamentals of Management (S)	3
POLS 1113	American Government	3
MSIS 3243	Descriptive Analytics	3
Humanities (H with D or I designation)		3
Natural Science (N)		3

Hours **15**

Junior

Fall

BADM 3111	Professional Development for Business Success	1
FIN 3113	Finance	3
MSIS 3233	Management Science - Prescriptive Analytics	3
Humanities (H with D or I designation)		3
3 hours from 6 hour list in major (list 1)		3
3 hours of electives		3

Hours **16**

Spring

LSB 3213	Legal and Regulatory Environment of Business	3
BADM 3113	Practical Business and Interpersonal Skills	3
MSIS 4333	Data Wrangling	3
MSIS 4673	Data Visualization	3
3 hours from 6 hour list in major (list 2)		3

Hours **15**

Senior

Fall

MSIS 4111	Technology Success Skills Application	1
MSIS 4263	Business Intelligence and Predictive Analytics	3
3 hours from 6 hour list in major (list 1)		3
3 hours from 6 hour list in major (list 2)		3
3 hours of electives		3

Hours **13**

Spring

MGMT 4513	Strategic Management	3
MSIS 4010	Applied Analytics and Information System Studies	3
3 hours of electives		3
3 hours of electives		3
1 hour of elective		1

Hours **13**

Total Hours **120**