

Data Analytics is a joint program of the College of Business and Public Administration and the College of Arts and Sciences designed to develop analysts who can work with data to uncover practical insights and support sound and ethical decision-making. The foundation of the program is a core of computer science and statistics classes that build problem-solving skills. This is a STEM-related major.

For students entering Fall, 2023 or later

Revised June 8, 2023

Name \_\_\_\_\_

Student ID \_\_\_\_\_

I. Basic Graduation Requirements	
120 - Total Credit Hours	<input type="text"/>
42 - 100-Level or Above Credit Hours	<input type="text"/>
2.0 or Above - Cumulative GPA	<input type="text"/>
2.0 or Above - Business 100-Level Course GPA	<input type="text"/>
Graduation Agreement - Due 15 months prior to graduation	<input type="text"/>
Graduation Application - Online In Self Service	<input type="text"/>

II. Drake Curriculum - Areas of Inquiry (AOI's)			
	Course	Credit	Grade
First-Year Seminar		3	
Critical Thinking	ACCT 041	3	√
Written Communication		3	
Information Literacy	CS 065	3	√
Historical Foundations		3	
Historical Foundations		3	
Global and Cultural Understanding	BUS 070	3	√
Values and Ethics	BLAW 060	3	√
Artistic Experience		3	
Physical Science*		3 or 4	
Life Science*		3 or 4	
Quantitative Literacy	MATH 050	3	
Engaged Citizen		3	
Senior Capstone	BUS 195	3	√

\*One science course must include a lab.

III. All University Required Courses			
	Course	Credit	Grade
Blueprint for Success-Take in first semester	INTD 025	1	
Equity and Inclusion**	MGMT 110	3	√

\*\* May be used to fill an AOI. MGMT 110 must be taken at Drake to apply.

IV. Business Core Requirements (48 Credits)		
The Business Profession Sequence - Every Semester	Fall	Spring
BUS 001 - The Business Profession I		
BUS 002 - The Business Profession II		
BUS 003 - The Business Profession III		
BUS 004 - The Business Profession IV		
BUS 005- The Business Profession V - as needed		
	Credit	Grade
ACCT 041 - Introduction to Financial Accounting	3	
ACCT 042 - Introduction to Managerial Accounting	3	
ECON 002 - Principles of Microeconomics	3	
IS 044 - Microsoft Office Tools for Business Analysis	2	
BLAW 060 - Business Law I	3	
BUS 070 - Globalization	3	
BUS 073 -Professional Verbal Communication	2	
BUS 074 - Professional Written Communication	2	
STAT 071, ACTS 131 or STAT 130	3	
STAT 072 - Statistics II or ACTS 135 - Mathematical Statist	3	
IS 075 - Information Technology and Business	3	
FIN 101 - Corporate Finance	3	
MGMT 110 - Organizational Behavior	3	
MGMT 120 - Management of Operations	3	
MKTG 101 - Marketing Principles	3	
BUS 195 - Business Strategy and Policy	3	

V. Data Analytics Major (39 Credits)		
	Credit	Grade
MATH 050 - Calculus I	3	
MATH 070 - Calculus II	3	
CS 065 - Intro to CS I	3	
CS 066 - Intro to CS II	3	
CS 083 - Digital Ethics	3	
STAT 040 - Introduction to R and SAS	3	
IS 160 - Database Management	3	
CS 167 - Machine Learning	3	
CS 178 - Cloud and Database Systems	3	
STAT 130 - Probability for Analytics	3	
STAT 170 - Regression and Time Series	3	
STAT 172 - Data Mining and Generalized Linear Models	3	
STAT 190 - Case Studies in Data Analytics	3	

VI. Optional Marketing Track for Data Analytics (6 Credits)		
	Credit	Grade
MKTG 113 - Marketing Research	3	
MKTG 130 - Marketing Analytics	3	

# Data Analytics - Fall 2023 Catalog

## Suggested Course Sequence \*

[Pre-requisites and when courses are offered may be found on this page: www.drake.edu/zimpleman/about/forms/](http://www.drake.edu/zimpleman/about/forms/)

First Year, Fall		
Course	Notes	Credits
BUS 001FA		0
FYS		3
INTD 025		1
CS 065		3
IS 044		2
ACCT 041		3
MATH 050		3
<b>Term Credits</b>		<b>15</b>

First Year, Spring		
Course	Notes	Credits
BUS 001SP		0
AOI		3
STAT 040		3
CS 066		3
IS 075		3
ACCT 042		3
MATH 070		3
<b>Term Credits</b>		<b>18</b>

Second Year, Fall		
Course	Notes	Credits
BUS 002FA		0
STAT 071		3
BUS 073 or BUS 074		2
IS 160		3
ECON 002		3
Science AOI with Lab		4
<b>Term Credits</b>		<b>15</b>

Second Year, Spring		
Course	Notes	Credits
BUS 002SP		0
STAT 072		3
BLAW 060 or BUS 070		3
BUS 074 or BUS 073		2
CS 083		3
MKTG 101		3
<b>Term Credits</b>		<b>14</b>

Third Year, Fall		
Course	Notes	Credits
BUS 003FA		0
MGMT 110 or MGMT 120		3
STAT 130		3
CS 167		3
BUS 070 or BLAW 060		3
AOI		3
<b>Zimpleman Graduation Agreement Due</b>		
<b>Term Credits</b>		<b>15</b>

Third Year, Spring		
Course	Notes	Credits
BUS 003SP		0
FIN 101		3
STAT 170		3
CS 178		3
AOI		3
AOI		3
<b>Term Credits</b>		<b>15</b>

Fourth Year, Fall		
Course	Notes	Credits
BUS 004FA		0
STAT 172		3
MGMT 120 or MGMT 110		3
AOI		3
AOI		3
Elective		3
<b>University Commencement Application Due</b>		
<b>Term Credits</b>		<b>15</b>

Fourth Year, Spring		
Course	Notes	Credits
BUS 004SP		0
BUS 195		3
STAT 190		3
AOI		3
Elective		3
Elective		3
<b>Term Credits</b>		<b>15</b>

\* This plan is an example and your plan may vary. Meet with your advisor to devise a plan that is best for you.

Notes

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