



DATA SCIENCE AND ANALYTICS BS / DATA ANALYTICS MS

COMBINED DEGREE

2023-2024 RECOMMENDED PROGRAM SEQUENCE (Full Time)

138 CREDITS

DSAN BS/MS

FRESHMAN YEAR					
Fall Semester		(15 credits)	Winter Semester		(16 credits)
ACES100	Achieving Career and Education Success	3	ENG110	Advanced Composition	3
BITS211	Microcomputer Applications: Spreadsheet	3	ECON201	Macroeconomics	3
MATH120	College Mathematics	3	MATH150	Pre-Calculus	4
ENGL109	Composition	3	SOSC201	Diversity in Society	3
COMM120	Presentation Techniques	3	STAT220	Introduction to Statistics	3
SOPHOMORE YEAR					
Fall Semester		(15 credits)	Winter Semester		(15 credits)
DATA275	Introduction to Data Analytics	3	DATA288	Introduction to R Programming	3
ECON200	Microeconomics	3	CISP309	Database Systems	3
CISP253	Python Scripting	3	ENG311	Professional Writing	3
MKTG211	Marketing Foundations	3	SPMG370	Sport Analytics	3
MATH250	Discrete Structures	3	STAT322	Inferential Statistics	3
JUNIOR YEAR					
Fall Semester		(16 credits)	Winter Semester		(16 credits)
DATA356	Applied Regression Analysis	3	DATA374	Classification Models	3
MATH215	Calculus I	4	DATA667	Data Visualization and Communication	3
DATA710	Advanced R Programming	3	MATH205	Applied Linear Algebra	4
CSCI325	Deep Learning	3	CSCI280	Artificial Intelligence	3
	Open Elective (undergraduate)	3	CISP446	Data Warehousing	3
SENIOR YEAR					
Fall Semester		(15 credits)	Winter Semester		(18 credits)
DATA610	Essentials of Business Analytics	3	DATA490	Data Science Internship	3
MKTG412	Marketing Research	3	DATA728	Advanced Data Mining	3
DATA625	Data Mining	3	DATA772	Statistical Analysis for Data Analytics	3
	Open Elective (undergraduate)	3	DATA495	Data Science Capstone	3
	Open Elective (undergraduate)	3		Open Elective (undergraduate)	3
				Open Elective (undergraduate)	3
5TH YEAR					
Fall Semester		(6 credits)	Winter Semester		(6 credits)
DATA742	Data Warehousing and Data Lakes	3	DATA758	Essentials of Cloud Computing	3
DATA785	Predictive Modeling	3	DATA792	Data Analytics Capstone	3

This information is subject to change and cannot be considered an agreement or contract between individual students and Davenport University. Refer to the current University catalog to confirm degree requirements.



Last Updated: 10/14/2022

Finalized: SJB 5/9/23