



Below is a sample four-year plan of study for the Bachelor of Science in Data Science program. Courses and time to complete the program varies based on each student’s interests, course placements, earned credits and academic progress.

FIRST YEAR			
Fall Semester	16 credit hrs	Spring Semester	15 credit hrs
Introduction to Data Literacy and Analytics (Excel & Tableau)	3 credit hrs	Programming Fundamentals II (Python)	3 credit hrs
Programming Fundamentals I (Python)	3 credit hrs	Biostatistics	3 credit hrs
Applied Calculus for Health Sciences	3 credit hrs	Writer as Advocate	3 credit hrs
The Effective Writer	3 credit hrs	Public Speaking	3 credit hrs
Social and Behavioral Sciences General Education	3 credit hrs	Elective	3 credit hrs
Foundations of Learning	1 credit hr		
SOPHOMORE YEAR			
Fall Semester	15 credit hrs	Spring Semester	15 credit hrs
Data Analytics (SAS)	3 credit hrs	Foundations of Artificial Intelligence (R)	3 credit hrs
Probability and Advanced Statistics	3 credit hrs	Elective	3 credit hrs
Natural Sciences General Education	3 credit hrs	Natural Sciences General Education	3 credit hrs
Humanities and Fine Arts General Education	3 credit hrs	Humanities and Fine Arts General Education	3 credit hrs
Leadership and Professional Development	3 credit hrs	Social and Behavioral Sciences General Education	3 credit hrs
JUNIOR YEAR			
Fall Semester	15 credit hrs	Spring Semester	15 credit hrs
Machine Learning Methods for Data Science (Python/R)	3 credit hrs	Applied Data Science (Python/R/SAS)	3 credit hrs
Humanities and Fine Arts General Education	3 credit hrs	300- or 400-Level Writing Intensive Elective	3 credit hrs
Elective	3 credit hrs	Elective	3 credit hrs
Elective	3 credit hrs	Elective	3 credit hrs
Elective	3 credit hrs	Elective	3 credit hrs
SENIOR YEAR			
Fall Semester	15 credit hrs	Spring Semester	15 credit hrs
Industry-Based Learning in Data Science	3 credit hrs	Data Science Capstone Project	3 credit hrs
300- or 400-Level Writing Intensive Elective	3 credit hrs	300- or 400-Level Elective	3 credit hrs
300- or 400-Level Elective	3 credit hrs	300- or 400-Level Elective	3 credit hrs
300- or 400-Level Elective	3 credit hrs	300- or 400-Level Elective	3 credit hrs
300- or 400-Level Elective	3 credit hrs	Elective	3 credit hrs
TOTAL: 121 CREDIT HOURS			