Bachelor of Science

Data Science with a Major in Data for a Human World (BS)

Web Site: https://www.odu.edu/datascience (https://www.odu.edu/datascience/)

Degree Program Guide

The Degree Program Guide is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.

Course	Title	Credit Hours
Freshman		
Fall		
ENGL 110C	English Composition (C or better required)	3
Oral Communication		3
Information Literacy and Research		3
DASC/SOC 205S	Data, Technology, Society	3
General Elective (or MATH 162M)		3
	Credit Hours	**15**
Spring		
ENGL 211C or ENGL 231C	Writing, Rhetoric, and Research (C or better required) or Writing, Rhetoric, and Research: Special Topics	3
Interpreting the Past		3
Human Behavior (may not use DASC 205S or SOC 205S)		3
MATH 163	Precalculus II	3
BDA 200T	Elements of Data Science	3
	Credit Hours	**15**
Sophomore		
Fall		
Nature of Science I		4
DASC 157 or CS 153	Introduction to Data Science Programming or Introduction to Programming with Python	4
STAT 130M	Elementary Statistics	3
Language & Culture I (if needed) or General Elective		3
General Elective		2
	Credit Hours	**16**
Spring		
Nature of Science II		4
DASC 255 or DASC 257 or CS 251	Data Processing with Python or Data Science Programming or Programming with Java	4
STAT 310	Introductory Data Analysis	3
Language & Culture II (if needed) or General Elective		3
	Credit Hours	**14**
Junior		
Fall		
DASC 300	Foundations of Data Science	3
IT 360T	Principles of Information Technology	3
Approved Major Electives		9
	Credit Hours	**15**
Spring		
DASC/PHIL 357E	Ethics and Data	3
IT 450	Database Concepts	3
General Elective		3
Approved Major Electives		6
	Credit Hours	**15**
Senior		
Fall		
Literature		3
DASC 434	Data Curation and Management	3
Approved Major Electives		6
General Elective		3
	Credit Hours	**15**
Spring		
Human Creativity		3
DASC 436W	Data Science Capstone Project (C or better required)	3
Approved Major Electives		6
General Elective		3
	Credit Hours	**15**
	Total Credit Hours	**120**