

Major: B.S. Data Science and Data Analytics (DSDA)

Emphasis: **Data Science**

Domain: Engineering

8 Semester Degree Plan

2025 - 2026

120 Total Hours

Semester 1 Fall		Semester 2 Spring		Semester 3 Fall		Semester 4 Spring		Semester 5 Fall		Semester 6 Spring		Semester 7 Fall		Semester 8 Spring	
ENGR 1402: Concepts of Engineering <i>Requires C or better in MATH 1023 or higher</i>	2	COMS 1203: Oral Comm	3	CS 1114: Concepts of Programming	4	DATA 2004: Programming for Data Analysis	4	DATA 3003: Applied Database and Data Mining	3	CS 4623: Fundamentals of Data Science	3	DATA 3023: Data Visualization and Communication	3	DATA 303V: Internship	1-3
MATH course that requires MATH 1023 as a prerequisite	3	MATH 1054: Precalculus	4	MATH 2204: Calculus I	4	MATH 2214: Calculus II	4	MATH 2183: Discrete Structures	3	MATH 3243: Linear Algebra (spring only)	3	DATA 4003: Fundamental Concepts in Design of Experiments	3	DATA 4013: Data Science and Data Analytics Capstone	3
ENG 1003: Composition I	3	ENG 1013: Composition II	3	GIS 3503: Geospatial Data Applications	3	STAT 3233: Applied Statistics I	3	STAT 3133: Applied Categorical Data Analysis	3	STAT 3243: Regression Analysis and ANOVA	3	DATA 3011: Seminar	1	PHIL 3723: Computers, Ethics, and Society	3
BIOL 1003 OR BIOL 1063	3	PHIL 1103: Intro to Philosophy	3	Gen Ed Social Science	3	ENGR 1412: Software Applications for Engineers	2	ENGR 2401: Applied Engineering Statistics	1	ENGR 2423: Electric Circuits I	3	ENGR 3433: Engineering Economics	3	ENGR 3443: Engineering Thermodynamics I	3
Gen Ed Life Science Lab	1	Gen Ed Social Science	3	MUS 2503 OR THEA 2503 OR ART 2503	3	PHYS 2034: University Physics I	4	ENGR 2403: Statics	3	CHEM 1013: General Chemistry I	3	CE 3263: Intro to Environmental Engineering	3		
Gen Ed Social Science	3							Approved CS elective to replace CSED 4231, CSED 4241, and CSED 4731	3	CHEM 1011: General Chemistry I Lab	1				
Credit Hours: 15		Credit Hours: 16		Credit Hours: 17		Credit Hours: 17		Credit Hours: 16		Credit Hours: 16		Credit Hours: 13		Credit Hours: 10-12	

Making Connections (2)

General Education (35)

Required General Education

Program Core (37)

Emphasis Area (24)

Domain Study (22)