

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

Emphasis: **Data Analytics**

Domain: Healthcare

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	
CS 1093 <u>OR</u> MATH 1093 <u>OR</u> First Year Making Connections aligned to Domain Study	3	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	HP 3343: Quality Improvement in Healthcare	3	DATA 3023: Data Visualization and Communication	3	DATA 303V: Internship	1-3
MATH 1023 <u>OR</u> MATH course that requires MATH 1023 as prereq	3	MATH 2143 <u>OR</u> MATH 2194 <u>OR</u> MATH 2204*	3-4	CS 1013: Introduction to Computers	3	GIS 3543: Fundamentals of GIS/GPS	3	AGEC 4253 <u>OR</u> POSC 3003 <u>OR</u> STAT 4483*	3	HP 3413: Cultural Competence in the Health Professions	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
Gen Ed Life Science	3	PHIL 1103: Intro to Philosophy	3	Gen Ed Physical Science	4	HP 2013: Medical Terminology	3	MUS 2503 <u>OR</u> THEA 2503 <u>OR</u> ART 2503	3	HP 3673: Critical Issues in Health	3	HP 4213: Chronic Illness	3	HP 4443: Healthcare Management	3
Gen Ed Life Science Lab	1	Gen Ed Social Science	3	COMS 2253: Introduction to Health Communication	3	HP 2112: Introduction to the United States Healthcare System	3	HP 3353: Public Health Principles and Practice	3	Gen Ed Social Science	3	HP 4323: Patient Safety	3	HP 4543: Healthcare Service Delivery	3
Gen Ed Social Science	3													* may not meet prereq	
Credit Hours: 16		Credit Hours: 15-16		Credit Hours: 17		Credit Hours: 16		Credit Hours: 15		Credit Hours: 15		Credit Hours: 13		Credit Hours: 13-15	

Making Connections (3)

General Education (35)

Required General Education

Program Core (37)

Emphasis Area (12-13)

Domain Study (33)