

Data Science (B.S.)

2025-2026 catalog

Student Name: _____ ID Number: _____

Major Requirements

All classes must be completed with a C- grade or better. Each course may count only once toward the major. No more than 4 credits of internship may count towards the major. Students majoring in Data Science are not eligible to minor in Data Science or Statistics.

Term Completed/Planned	Grade	Credit	Course #	Title
Complete one (1) introductory statistics				
_____	_____	4	DST164	Introduction to Statistics (with R)
_____	_____	4	MAT163	Introductory Statistics – <i>offered infrequently</i>
_____	_____	4	MIS379	Quantitative Methods for Business and Economics
_____	_____	4	PSY215	Research Methods and Statistics I
_____	_____	4	SOC362	Statistical Analysis
Complete all of the following				
_____	_____	4	DST234	Introduction to Data Science (and R)
_____	_____	4	DST334	Statistical Modeling
_____	_____	4	CSC165 and 165L	Introduction to Computer Programming (Python)
_____	_____	4	MAT145 and 145L	Calculus I
_____	_____	4	MAT315	Linear Algebra
_____	_____	4	DST490	Data Visualization for Social Justice
Complete one (1) databases (SQL) course				
_____	_____	4	MIS270	Data Management for Business
_____	_____	4	CSC311	Web Applications and Databases
Complete one (1) machine learning course				
_____	_____	4	DST314	Programming for Data Science
_____	_____	4	DST475	Machine Learning
Complete one (1) additional programming course				
_____	_____	4	CSC170 and 170L	Introduction to Object-Oriented Programming (Java)
_____	_____	4	CSC311	Web Applications and Databases
_____	_____	4	DST314	Programming for Data Science
_____	_____	4	URB295	Topics: Geographic Information Systems (<i>this topic only</i>)
Complete one (1) Introduction to Social Justice elective, chosen from AIS105, AIS205, AIS208, AIS380, ANT141, CCS100, CRS101, CRS141, CRS160, CRS161, ENL230, HIS122, HIS242, HIS243, HIS282, HIS316, HIS355, POL122, POL170, RLN336, RLN344, RLN366, SOC265, SWK210, SWK280, URB122, WST201, WST250, WST324, WST352, WST355, or another approved introduction to social justice elective				
_____	_____	4		
Complete one (1) communications course, chosen from VIZ102, COM352, ENL220, ENL226, NMS220				
_____	_____	4		
Complete two (2) advanced electives, completed in one of the following ways:				
<i>Advanced Elective Option 1: Two of MAT302, MAT350, MAT373, MAT465, DST374, DST394, DST395, DST399, or DST475</i>				
_____	_____	4		
_____	_____	4		
<i>Advanced Elective Option 2: Two of CSC311, CSC321, CSC341, DST314, DST395, DST399, or DST475</i>				
_____	_____	4		
_____	_____	4		
<i>Advanced Elective Option 3: Two of CSC311, DES201, DST399, or VIZ109</i>				
_____	_____	4		
_____	_____	4		

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Each course may count only once towards the major.

At most 4 credits of internship may count towards the major.

Students completing a major in Data Science are not eligible for a minor in Data Science or Statistics.