

Data Science

Requirements for the Major in Data Science

The major requires successful completion of the following:

Code	Title	Semester Hours
Course Requirements		
STAT 100	Data Science and Citizenship	4
STAT 204 or MATH 322	Elementary Statistics Probability and Statistics II	4
STAT 214	Statistical Modeling	4
CSCI 157	Introduction to Modeling and Programming	4
CSCI 284	Database Design with Web Applications	4
MATH 210	Linear Algebra	4
Select four of the following: ¹		16
CSCI 290	Data Mining	
CSCI 320	Data Structures and Algorithms	
CSCI 356	Artificial Intelligence	
STAT 302	Bayesian Statistics	
STAT 304	Experimental Design and Analysis	
STAT 306	Time Series	
STAT 336	Sports Analytics	
STAT 410	Data Science Practicum	4
Total Semester Hours		44
Code	Title	Semester Hours
Additional Requirements		
A comprehensive exam		

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One of these courses may be substituted with an approved data-intensive course from outside the department.