

Minor in Data Science

The Data Science minor is designed to provide students with hands-on experience of the concepts and techniques used in data science, including statistical methodology and data-oriented computing. The minor will provide students from all majors (including science, business, humanities, social sciences, education etc.) with the foundational skills to collect, process, analyze data, and think critically about data-driven problems in their respective disciplines. The minor has a requirement of 32 credits, consisting of 6 required courses (26 units) and 2 elective courses (6 units).

Requirements for a minor in Data Science (32 units)

Required Courses (26)

CSE 1300 & 1300L	Introduction to Data Science and Introduction to Data Science Lab	4
CSE 2010	Computer Science I	4
CSE 2020	Computer Science II	4
MATH 2210	Calculus I	4
MATH 2220	Calculus II	4
MATH 2265	Statistics with Applications	3
Choose one of the following courses:		3
CSE 5160	Machine Learning	
MATH 5360	Statistical Methods for Machine Learning *	

Electives (6)

Choose two courses from the following list:		6
MATH 3465	Computational Statistics *	
MATH 4360	Linear Statistical Models *	
CSE 5120	Introduction to Artificial Intelligence	
CSE 5720	Database Systems	

Total Units **32**

*Note course have prerequisites. Completion of prerequisites or consent of instructor required.