

DATA SCIENCE (DATA)

DATA-295 Independent Study

Fall and Spring. Credits: 1 - 4

The department

Instructor permission required.

DATA-390 Data Science Capstone

Spring. Credits: 4

The Capstone is a research seminar that brings together the three pillars of the Data Science curriculum. The course will start with common readings about research projects across a range of disciplines, including readings that address issues of ethics involved with the collection, treatment, and analysis of data. Concurrently, each student will develop an individual research topic and identify relevant data resources. The remainder of the term will be dedicated to exploring these topics through extensive data analysis, visualization, and interpretation, leading to a final report with complete results and a presentation.

Applies to requirement(s): Math Sciences

V. Barr

Prereq: COMSC-205 and STAT-340. STAT-340 may be taken concurrently (contact instructor for permission).

DATA-395 Independent Study

Fall and Spring. Credits: 1 - 8

The department

Instructor permission required.

Related Courses

Code	Title	Credits
Computer Science		
COMSC-151AA	Introduction to Computational Problem Solving: 'Algorithmic Arts'	4
COMSC-151AR	Introduction to Computational Problem Solving: 'Artificial Intelligence'	4
COMSC-151DS	Introduction to Computational Problem Solving: 'Data Science'	4
COMSC-151EN	Introduction to Computational Problem Solving: 'Environmental Studies'	4
COMSC-151HC	Introduction to Computational Problem Solving: 'Humanities Computing'	4
COMSC-151MD	Introduction to Computational Problem Solving: 'Computers in Medical Technology'	4
COMSC-205	Data Structures	4
COMSC-335	Machine Learning	4
Data Science		
DATA-390	Data Science Capstone	4
Mathematics		
MATH-211	Linear Algebra	4
Statistics		
STAT-140	Introduction to the Ideas and Applications of Statistics	4
STAT-242	Intermediate Statistics	4
STAT-340	Applied Regression Methods	4