

DATA SCIENCE MINOR

This minor is offered in the College for Women only.

The Data Science Minor is designed to provide students from diverse academic backgrounds with foundational knowledge and skills in data analysis, statistical modeling, and computational methods. The minor emphasizes the ability to extract insights from data, apply analytical tools, and communicate findings effectively, preparing students for careers or further study in data-driven fields.

The Data Science Minor complements majors such as Business, Biology, Economics, Psychology, Public Health, and many others by teaching students to:

- Understand and manipulate data using programming and statistical techniques.
- Apply data science methods to solve real-world problems.
- Use data visualization and storytelling to communicate findings.
- Explore ethical considerations in data usage and analysis.

Curriculum

Code	Title	Credits
CSCI 1110	Introduction to Computer Science	4
DSCI 1000	Telling Stories with Data - Introduction to Data Visualization	4
DSCI 3000W	AI Data Ethics, Governance & Social Impact	4
Select two of the following courses:		8
STAT 1090	Statistical Analysis	
DSCI 3100	Database Management	
DSCI 3300	Introduction to Machine Learning for Data Science	
DSCI 2000	Seminar for Data Science	
DSCI 3200W	Analyzing Social Issues with Data ¹	
DSCI 2100	Introduction to Programming: Applied Computing I	
Total Credits		20

¹ Students taking DSCI 3200W are encouraged to take STAT 1090 Statistical Analysis, ECON 1090 Statistical Analysis for Decision Making, or PSYC 1090 Statistical Methods in Psychology as a prerequisite.