

# ICS 173 : Introduction to Data Science

Introduces the fundamentals of data science, using Python, R or similar programming languages, for the analysis of real-world datasets. Topics include writing scripts and programs in Python or similar languages, and using tools for cleaning, manipulating, and visualizing data. Introduction to intelligent analysis techniques. Properties of domain-specific datasets. No prior programming experience required but basic statistical knowledge is required.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

MATH 115 with grade C or better, or consent.