

# CSC303: Fundamentals of Data Computing

This course focuses on data analysis in settings where the data is so large, dispersed or messy that machine-processing is required to gather, clean and transform it into forms suitable for analysis. We also study computer-based techniques for the analysis of such data, including machine data visualization and modeling with data. Principles of reproducible research are studied and put into practice throughout the course.

**Credit Hour(s):** 3

**Prerequisites:**

MAT111 or CSC115 or PSY211 or permission of the instructor.

**Department:** [Mathematics, Physics, and Computer Science](#)

**Semester Offered:**

Fall