

DATA - DATA SCIENCE/ ANALYTICS

DATA 101 - Introduction to Data Science **Units: 3**

A survey course of the core elements of data science: Asking questions, collecting and cleaning data, exploring the data, creating models, and communicating the results. No programming background or statistics background is assumed.

DATA 210 - Introduction to SQL for Data Science **Units: 3**

This course is an introduction to using SQL (Structured Query Language) to create, manage, and analyze a basic database, with a focus on finding patterns within data.

Enrollment Requirements: Prerequisite: DATA 101

DATA 220 - Research Methods for Data Science **Units: 3**

A first course in research methods for students pursuing data science. The emphasis of this course is on developing the habits of sound critical thinking, especially with regards to larger data sets. The entire research process will be examined, including the formation of a research question, the means of data collection, and the resulting conclusions that can be drawn from the data.

Enrollment Requirements: Prerequisites: DATA 101 and DATA 210