

Data (DATA)

Data Science

DATA 1501. Introduction to Data Science. 3 Hours.

An introduction to the field of Data Science. Students will develop skills in appropriate technology and basic statistical methods by completing hands-on projects focused on real-world data and addressing the social consequences of data analysis and application.

DATA 3100. Introduction to Data Analytics. 3 Hours.

Prerequisite: BUSA 2100. Introduction to a variety of modeling and analytic methods using data to describe, diagnose, predict, and prescribe real world decisions and processes. Topics include finding data, cleaning data, visualizing data, analyzing data, and making statistical inferences.

DATA 3200. Data Visualizations and Analytics. 3 Hours.

Prerequisite: DATA 3100. A study of data manipulation, linear regression, forecasting and prediction, data mining, linear programming, decision theory, simulations, and machine learning.