# DATA ANALYTICS (DAM)

**DAM 300  Machine Learning    3 sem. hrs.**
Course required for B.S. Data Analytics.

**DAM 355  Data Visualization    3 sem. hrs.**
Course required for B.S. in Data Analytics.

**DAM 410  Found of Data Analytics I    3 sem. hrs.**
In an increasingly data-driven world, everyone should be able to understand the numbers that govern our lives. Whether or not you want to work as a data analyst, being "data literate" will help you in your chosen field. In this course, you'll learn the core concepts of inference and data analysis by working with real data. By the end of the term, you'll be able to analyze large datasets and present your results. This online class has optional live sessions

**DAM 411  Found of Data Analytics II    3 sem. hrs.**
This course is intended as a continuation of Foundations of Data Analytics I. In this course, you'll learn how Data Analytics are applied within the workforce. Particular attention will be paid to the role of the Data Scientist or Analyst, machine learning and the applications of Big Data. By the end of the term, you will be able to design and execute a range of data-driven experiments. This online class has optional live sessions. Prerequisite: DAM 410

**DAM 414  Princ Tech of Data Analytic I    3 sem. hrs.**
This course is based heavily on UC Berkeley's Data 100 class. Data Analytics combines data, computation and inferential thinking to solve challenging problems and understand their intricacies. This class explores key principles and techniques of data science, and teaches students how to create informative data visualizations. It also explores particular concepts of Linear Algebra which are central to Data Science. This online class features optional live sessions. Prerequisites DAM 410: Foundations of Data Analytics I DAM 411: Foundations of Data Analytics II CSC 101: Programming for Everyone I CSC 102: Programming for Everyone II

**DAM 415  Princ Tech of Data Analytic II    3 sem. hrs.**
This course is based heavily on UC Berkeley's Data 100 class. Data Analytics combines data, computation and inferential thinking to solve challenging problems and understand their intricacies. This class explores key principles and techniques of data science, and teaches students how to create informative data visualizations. It also explores particular concepts of Linear Algebra which are central to Data Science. This online class features optional live sessions.Prerequisites : MATH 210A, DAM 410, DAM 411, CSC 101, CSC 102, DAM 414