DATA SCIENCE (DSM)

DSM 200 Career Nav&Exp in Data Science   3 sem. hrs.
This course will help you find a job in Data Science upon graduation. Not just any job; one that excites you and meets your financial needs. In this course, you will explore career paths in Data Science, potential salary outcomes, and the skills you need to understand whether these salary outcomes will support you. This exploration will lead you to identify target jobs and opportunities. You will then plan the steps you need to take to achieve your goals and begin executing that plan.

DSM 300 Data Science I   3 sem. hrs.
This course is an introduction to data science in Python. You'll use advanced visualization and predictive modeling tools to turn raw data into actionable insights. You will also learn how to use SQL to navigate databases. Prerequisites: DAM 110, DAM 111, CSC 101, CSC 102

DSM 301 Data Science II   3 sem. hrs.
This course is intended as a continuation of Data Science I. This course takes a deep dive into machine learning models, natural language processing, and time series in Python. Prerequisites: DAM 110, DAM 111, CSC 101, CSC 102, DSM 300

DSM 400 AI and Machine Learning   3 sem. hrs.
This course is a technical approach to cutting-edge AI methods. Students will productionize machine learning models to solve business problems, evaluate modern AI use cases (such as computer vision) and adapt Large Language Models (LLMs) for specific applications. Prerequisites: DAM 110, DAM 111, CSC 101, CSC 102, DSM 300, DSM 301

DSM 401 Data Science Practicum   3 sem. hrs.
This course is a capstone project in which students are asked to work through a full data science workflow using real-world data. This course exists to prepare students for the kind of work they will do on Data Science teams, and as such also features an emphasis on interviewing for jobs in the space and communicating results to stakeholders. This online class has optional live sessions. Prerequisites: DAM 110, DAM 111, CSC 101, CSC 102, DSM 300, DSM 301