

M.S. in Data Science

Introduction

The Master of Science in Data Science degree program is designed to prepare students to use the latest computational and analytic tools to solve data intensive problems that arise in business, industry or government. The goal is to provide the students with the knowledge and skills of data collection, pre-processing, analysis, visualization and ethical implication associated with large heterogeneous data arising within the various domain areas.

All the core courses within the degree program are project-based allowing for hands-on experience culminating in a final capstone project or an internship in the student's chosen domain area. The program offers the flexibility for the students to choose one of the five tracks (Aerospace Engineering, Aviation Safety, Aviation Business, Cybersecurity, High Performance Computing and Big Data, and Homeland Security) to specialize in, depending on their interest. The students have to choose the track by the start of the second semester into the program.

Admissions Criteria