Data Science

Master of Science

Description

The Master of Science (MS) in Data Science program prepares students for one of the most sought-after careers of the 21st century. With demand surging for skilled professionals, our program equips students to excel in data science and analytic roles. Master essential skills: from acquiring, cleaning, and merging data to creating compelling visualizations and dashboards. Gain hands-on experience across all project lifecycle stages and apply cutting-edge machine learning techniques to drive business decisions. Prepare to thrive in a dynamic job market and solve real-world problems with data science expertise.

Admissions Requirements

- A bachelor's degree or equivalent from a recognized institution
- Credentials earned outside of the US must be evaluated by an approved agency
- GPA of 2.7 or higher
- Official transcripts from all previously attended institutions
- Completed application with Carolina University

Graduation Requirements

- Shall have maintained a minimum cumulative GPA of 3.0;
- Shall have passed all courses in the curriculum and made a C or better professional core courses;
- Shall have completed at least six of the final nine hours with Carolina University.

Courses

Program Core (30 Credit Hours)

DCS 500 - Introduction to Data Science
3 Credit Hours
DCS 510 - R Programming for Data Science
3 Credit Hours
DCS 520 - Python Programming for Data Science
3 Credit Hours
DCS 525 - Statistics for Data Science
3 Credit Hours
DCS 535 - Databases and Data Retrieval
3 Credit Hours
DCS 620 - Data Visualization & Dashboarding
3 Credit Hours
DCS 625 - Text Mining & Web Scraping
3 Credit Hours
DCS 630 - Algorithms for Data Science
3 Credit Hours

DCS 635 - Machine Learning
3 Credit Hours
DCS 645 - Big Data Analysis
3 Credit Hours

Professional Electives (3 Credit Hours) [Choose 1]

- DCS 660 - Internship
- DCS 680 - Thesis
- DCS 690 - Capstone Project

Electives (3 Credit Hours)