

DS

Master of Data Science

Description

The Harvard Business Review labeled 'Data Scientist' the most popular job of the 21st century, reflecting the strong demand for professionals with skills in the area. Data Scientists are among the most sought-after positions in America, as research by PWC explains, and there would be 2.7 million job postings for Data Science and Analytics roles in 2020. According to Northeastern University, the core skills needed to be a Data Scientist are easily transferable to other jobs like Business Intelligence Developers, Machine Learning Engineers, etc., and Data Scientists are in constant demand. Fast Company, a monthly business magazine, reported that, in an unpredictable post-coronavirus labor market, Data Science skills would be one of the top five in-demand skills that employees should look to reskill or upskill.

Admissions Requirements

- A bachelor's degree or equivalent from a recognized college or university
- GPA of 2.7 or higher
- Official transcripts from all previously attended schools
- Completed application with Carolina University

Degree Requirements

- The maximum time limit to complete the program is four years or 150% of the credits, whichever the student reaches first.
- A minimum of 24 credit hours must be completed at CU.
- Up to 50% of the required credit hours can be transferred.
- Graduation is contingent upon the completion of 48 hours of prescribed courses with a minimum cumulative GPA of 2.00.

Courses

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| ANA 615 - Introduction to Data Science | 3 Credit Hours |
| DCS 510 - Foundations of Data Science | 3 Credit Hours |
| DCS 520 - Statistics for Data Science I | 3 Credit Hours |
| DCS 525 - Statistics for Data Science II | 3 Credit Hours |
| DCS 540 - Algorithms for Data Science | 3 Credit Hours |
| DCS 550 - Data Visualization & Dashboarding | 3 Credit Hours |
| DCS 560 - Databases and Data Retrieval | 3 Credit Hours |
| DCS 610 - Text Mining & Web Scraping | 3 Credit Hours |
| DCS 620 - Regression Analysis for Data Science | 3 Credit Hours |
| DCS 630 - Machine Learning I | 3 Credit Hours |
| DCS 635 - Machine Learning II | 3 Credit Hours |
| DCS 640 - Big Data Analysis I | 3 Credit Hours |
| DCS 645 - Big Data Analysis II | 3 Credit Hours |
| DCS 660 - Internship | 3 Credit Hours |

Electives

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| DCS 625 - R Programming for Data Science | 3 Credit Hours |
| DCS 650 - Python Programming for Data Science | 3 Credit Hours |

Students must take one of: [DCS660](#), [DCS680](#), or [DCS690](#).

Electives: students may choose DCS625 and DCS650 or others from amongst those offered in the MBA, MA Leadership, or Master of Public Health program (subject to prerequisite requirements).