

DATA SCIENCE, MS

Campus: NYC, Westchester, Online

Pace University's Master of Science in Data Science teaches students how to apply data science methods to different fields of interest. As a student, you'll have the opportunity to conduct original research across a broad range of topics, working directly with expert faculty and industry professionals. You'll gain the skills needed to use analytical programming languages, data science tools and applications, and, importantly, you'll learn how to create knowledge from data. Knowledge based on facts is essential to successful decision-making in business, government, and even as individuals.

During your studies in the program, you'll become familiar with both the underlying theory and practical techniques necessary to succeed in data science. Moreover, you'll learn the ethical issues relevant to the design and execution of research studies. The program also integrates a research seminar so you will be aware of the latest advances in data science.

Code	Title	Credits
Bridge Courses (Required if no previous background)		
CS 623	Database Management Systems	3
CS 661	Python Programming	3
Core Courses		
CS 660	Mathematical Foundations of Analytics	3
CS 673	Scalable Databases	3
CS 675	Introduction to Data Science	3
CS 619	Data Mining	3
CS 677	Machine Learning	3
CS 676	Algorithms for Data Science	3
Data Science Capstone Course		
CS 668	Analytics Capstone Project	3
Electives		
Choose three courses/9 credits with advising consultation		9
6 credits must be in Computer Science Courses		
Total Credits		30