

MONTCLAIR STATE UNIVERSITY

COLLEGE OF SCIENCE AND MATHEMATICS

MS in Data Science

Master of Science in Data Science

The STEM-designated MS Data Science program at Montclair State University trains students in core Data Science competencies and exposes students to a broad range of Data Science related topics and applications, preparing them to be part of the next generation Data Science workforce. In addition, students will have a unique opportunity to conduct research in Data Science investigations. The MS degree in Data Science combines the fundamentals of Data Science, with options for students to choose a domain area relating to Data Science.

The 30-credit program offers both fall and spring starts, and is available full-time on campus.

\$112,590 average salary for data scientists in 2024

U.S. Bureau of Labor Statistics 2024

#81 Top Public Schools

U.S. News & World Report 2025, Top Public Colleges and Universities

“ The combination of an accessible location and reasonable costs enhances the overall value proposition of pursuing a master's in data science at Montclair State University. The prospect of engaging with knowledgeable and helpful professors in the field of data science further solidifies my enthusiasm for choosing Montclair State University for my advanced studies.

Mustafa - Pakistan

Data Science student



19 kilometers from New York City

120+ student clubs and organizations

Program Highlights

- STEM-designated (eligible for 3 years of OPT)
- Comprehensive and affordable
- Students gain state-of-the-art data science skills to meet the demands of fast-growing industry
- Flexible curriculum taught by prominent faculty
- Opportunity to work on cutting-edge research projects
- Access to modern infrastructure and computing equipment in the Center for Computing and Information Science
- Designed to accommodate professionals from diverse academic backgrounds

Career Outcomes

Data Science graduates can go into a wide range of fields. Some of the most common career outcomes are:

- Data Analyst
- Data Engineer
- Business Analyst
- Marketing Analyst
- Statistician
- Machine Learning Engineer
- Data Architect
- Data and Analytics Manager
- Business Intelligence Analyst
- Data Mining Specialist
- Data Base Developer

Sample Courses

This **30-credit program** consists of many course options to choose from that will help you gain the skills and knowledge you need to help you succeed in your future career.

- Statistics for Data Sciences
- Exploratory Data Analysis and Visualization
- Database Systems
- Data Mining
- Computer Algorithms and Analysis
- Machine Learning
- Applied Regression Analysis
- Computational Linguistics
- Current Issues in Natural Language Processing
- Scalable Distributed Systems
- Python for Data Science
- Big Data Analytics
- Advanced Algorithms for Data Science
- Research Methods in Computing
- Master's Project (or)
- Master's Thesis

APPLY NOW



Admission Requirements

- Application
- Application fee
- Official NACES transcript evaluation
- Official English proficiency test score
- Statement of purpose
- Resume
- Two letters of recommendation

NOTE: Our MS in Data Science program welcomes students from various academic backgrounds. Admitted students without a background in the field will take bridge coursework (prerequisites) as assigned by the Department. You can be assigned anywhere from 4-16 credits of prerequisite work depending on your background.

