

Online Data Science, M.S.

Expand Your Demand

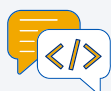
Data can be messy, complex, and vast; but those who know how to navigate, organize, and interpret it are an invaluable resource to any company in today's business environment. With the Online Data Science, M.S. from New York Institute of Technology, you'll be more than prepared to conquer modern data challenges and move to the next level in your career.



100% online and
asynchronous classes



Sponsored research grants
from national institutes



Engaging, experiential program
to solve real-world challenges

Program Benefits

- Learn on your schedule with online classes you can complete anytime, anywhere
- Learn from experienced, working data science experts who teach courses and concepts that are immediately relevant
- Build on your undergraduate studies in computer science, data analytics, machine learning, data visualization, and more
- Work directly with faculty on research grants funded by the Department of Defense, National Science Foundation, and National Institutes of Health
- Choose to complete a thesis or final project, which can help you gain specialized skills and knowledge to better qualify you for science and analytics jobs

Program Structure

- 30 credits
- 100% online
- Complete in as few as 10 months
- 3 opportunities to start per year

Admissions Requirements

- Completed [application form](#)
- \$50 nonrefundable application fee
- A bachelor's degree from an accredited institution, with a GPA of 2.85 or higher on a 4.0 scale
 - If you do not satisfy this criterion, you may be admitted at the dean's discretion. Additional criteria available on our website
- Transfer credits: Students may transfer up to six transfer credits from an accredited graduate program for appropriate courses in which a minimum grade of B was earned. Please review the Graduate Credit Transfer policy here: https://www.nyit.edu/admissions/graduate_credit_transfer
- Applicants should demonstrate understanding in the following **Foundational Knowledge Areas**:
 - Computer Programming
 - College-level Statistics
 - Basic Linear Algebra
 - Basic Database Systems
- Students with an insufficient background for direct admission into the Online Data Science, M.S. program may be admitted if they have exposure in or have taken courses in the **Foundational Knowledge Areas**, with the approval of the director
- [International student requirements](#): English proficiency, International Transcript Course Evaluation, and GRE test scores

For additional information about application materials and the submission process at New York Institute of Technology, [visit us online](#).

Tuition & Fees

When you choose New York Tech for post-graduate education, you get a high-quality education that will propel your career forward with application-oriented courses. New York Tech is ranked in the top 10% among U.S. colleges for return on investment, making it one of the highest value schools in New York.*

2023-2024 Academic Year	
Cost per credit	\$1,155
Application fee	\$50
Graduate Fee (per 7-week cycle)	\$125

Curriculum

Every course in the Online Data Science, M.S. program will help you develop a deep understanding of statistics and optimization, business analytics, and information technology as you form an enduring foundation rooted in business acumen and data analysis.

Fundamental Courses (3 credits each)

- DTSC 610: Programming for Data Science
- DTSC 615: Optimization Methods for Data Science
- DTSC 620: Statistics for Data Science
- DTSC 701: Introduction to Big Data
- DTSC 710: Machine Learning
- DTSC 870: MS Project I
- ELECTIVES: Consult with program chair/program advisor on any electives

Electives (3 credits each, select 4 of the following)

Advanced Data Science Electives

- CSCI 657: Introduction to Data Mining
- DTSC 740: Deep Learning
- DTSC 630: Data Visualization

Cybersecurity Specialization Electives

- CSCI 654: Principles of Information Security
- CSCI 662: Information System Security Engineering and Admin
- INCS 615: Network Security and Perimeter Protection

Total Required Credits=30

Businesses Are Drowning in Data. You're Their Rescue Plan.

From complicated, real-world data sets comes a series of challenges and opportunities.

In this future-focused degree program, you'll use a blend of observational, analytic, and communication skills to uncover data challenges and opportunities to improve business initiatives. Whether you want to help companies expand their capacity for big data, translate and demystify digitized business models, or uncover digital revenue opportunities, New York Tech will more than prepare you for your next steps. And by earning your degree online, you can accomplish it all without compromising your career or other priorities.

Get Started

To learn more about the Online Data Science, M.S. program, contact an Admissions Advisor at 516-518-6948 or by email at onlineinfo@nyit.edu.

* <https://cew.georgetown.edu/cew-reports/collegeroi/>