Online Artificial Intelligence, M.S.

Move Up From Using AI to Building It

AI tools continue to evolve, creating demand for professionals who understand the technology behind them. New York Tech's Online Artificial Intelligence, M.S. builds on your technical background with advanced study of the principles and methods that drive AI. You'll develop the knowledge and judgment to create intelligent systems, assess their performance and limitations, and apply AI responsibly to complex problems.

100%
online and asynchronous courses

Complete in as few as
10 months

Independent
AI research project

Program Benefits

Through your coursework, you'll learn to:

- **Define:** Frame technical problems using data, statistics, and optimization
- **Build:** Apply machine learning methods and explore neural networks, generative AI, large language models, and other AI technologies
- **Evaluate:** Analyze performance, assess results, and identify limitations and risks
- **Apply:** Put AI methods to work on practical problems
- **Advance:** Conduct independent research, refine technical approaches, and deepen your expertise

Program Structure

- 30 credits
- 100% online
- Complete in as few as 10 months
- Flexible, asynchronous courses
- Seven-week terms, with two courses per cycle for accelerated completion
- Three opportunities to start per year

Tuition and Fees

Online Artificial Intelligence, M.S.	2026-2027 Academic Year
Cost Per Credit	$1,350
Application Fee	$50
Graduate Fee (per 7-week cycle)	$160

Admission Requirements

- Completed **application form**
- $50 nonrefundable application fee
- Copies of undergraduate transcripts for all schools attended. All final, official transcripts must be received prior to the start of your first semester
- Copy of college diploma or proof of degree
- **International student requirements**: English proficiency and International Transcript Course Evaluation required
  - Online programs are not an approved Student and Exchange Visitor Program (SEVP); therefore, I-20s will not be issued for online international students
  - Due to online programs not being SEVP approved, the Optional Practical Training (OPT) is not available to online international students
  - Scholarships are not available for these online programs
  - GRE may be required under specific circumstances. GRE requirements can be waived by students' request, with department review and approval
- Bachelor's degree from an accredited institution, with a GPA of 2.85 or higher on a 4.0 scale
- Applicants with an undergraduate GPA between 2.5 and 2.84 may be conditionally admitted at the discretion of the program director
- Applicants are expected to have proficiency in linear algebra, calculus, Python programming, probability and statistics, and data structures and algorithms. Students who do not have the required background may complete prerequisite coursework in areas such as linear algebra, calculus, data structures, and computer science. Prerequisites must be completed within the first two semesters of study at New York Tech
- You may transfer up to nine 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**

Curriculum

The Online Artificial Intelligence, M.S. program delves into how intelligent systems work and how to evaluate and apply them responsibly. The curriculum develops the quantitative knowledge behind AI and builds on that foundation with increasingly sophisticated methods and applications. Along the way, you'll consider the decisions and responsibilities involved in putting AI to work.

Required Courses (3 credits each)

- **DTSC 615:** Optimization Methods for Data Science
- **DTSC 620:** Statistics for Data Sciences
- **CSCI 618:** Responsible AI in Technology Fields
- **DTSC 710:** Machine Learning
- **CSCI 755:** Artificial Intelligence
- **DTSC 870:** Project I

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

- **CSCI 626:** Information Retrieval
- **CSCI 636**: Big Data Analytics
- **CSCI 648:** Natural Language Processing
- **CSCI 657:** Introduction to Data Mining
- **CSCI 728:** Generative AI and Foundation Models
- **DTSC 740:** Deep Learning
- **CSCI 860:** Special Topics

Total Required Credits: 30

Take On More Complex AI Work

Advanced AI expertise can open several career directions, from developing intelligent systems to helping organizations determine how to use them effectively and responsibly. Your path might center on building AI technology, conducting research, designing technical solutions, or leading increasingly ambitious AI initiatives.

In New York Tech's Online Artificial Intelligence, M.S. program, you can deepen your technical expertise without stepping away from your career.

Get Started

To learn more about the Online Artificial Intelligence, M.S. program, contact an admissions outreach advisor at **(516) 518-6948** or by email at **onlineinfo@nyit.edu**.