ARTIFICIAL INTELLIGENCE (MSAI)

Graduate Degree Program
College: Computer, Mathematical, and Natural Sciences

ABSTRACT

Artificial Intelligence (AI) technologies are rapidly evolving and being more integrated into various aspects of society and industry, leading to a growing demand for Artificial Intelligence professionals. The MS in Artificial Intelligence will combine technical courses in the fundamentals of AI and courses that address the interaction between AI and humans and society. During their coursework, students will build solid foundations in mathematics, statistics and computing and also obtain a broader view of human centered AI and its societal implications. Students will gain expertise in machine learning, deep learning, and AI-driven decision-making while exploring areas such as AI ethics, human-computer interaction, explainable AI, and policy considerations. The program prepares graduates to develop AI solutions that enhance human well-being, promote fairness, and integrate seamlessly into social and professional contexts. The program consists of 30-credit course work and is a non-thesis MS program. Students will be prepared for careers across disciplines and they will develop skills to be collaborative, adaptable problem solvers in a rapidly changing field.

CONTACT

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Website: https://cmns.umd.edu/graduate/science-academy/artificial-intelligence (https://cmns.umd.edu/graduate/science-academy/artificial-intelligence/)

ADMISSIONS

GENERAL REQUIREMENTS

- Statement of Purpose
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/))

PROGRAM-SPECIFIC REQUIREMENTS

- Letter of Recommendation (1 optional)
- CV/Resume
- Description of Research/Work Experience
- Prior Coursework: Prior coursework establishing quantitative ability (i.e. calculus, linear algebra, basic statistics etc.).
- Proficiency in programming languages: Proficiency in programming languages, demonstrated either through prior programming coursework or substantial software development experience.

Type of Applicant	Fall Deadline
Domestic Applicants	
US Citizens and Permanent Residents	May 29, 2026
International Applicants	
F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants	February 27, 2026

RESOURCES AND LINKS:

Program Website: https://cmns.umd.edu/graduate/science-academy/artificial-intelligence (https://cmns.umd.edu/graduate/science-academy/artificial-intelligence/)
Application Process: www.gradschool.umd.edu/admissions (http://www.gradschool.umd.edu/admissions/)

REQUIREMENTS

- Artificial Intelligence, Master of Science (M.S.) (https://academiccatalog.umd.edu/graduate/programs/artificial-intelligence-msai/artificial-intelligence-ms/)