ENGINEERING ARTIFICIAL INTELLIGENCE (ONLINE) (MEAI)

Graduate Degree Program
College: Engineering

Abstract

The M.Eng. in Engineering Artificial Intelligence (Engineering AI) Program provides rigorous technical education in the analysis and design of "smart" engineered devices and systems. Such systems include cyber-physical, medical, communication or robotic systems and devices that can learn from data collected from their environment and adapt their behavior automatically to improve their performance and/or efficiency. Students will learn the fundamentals of relevant sub-fields in engineering, as well as statistical inference and machine learning. A wide range of additional core and elective courses allow further specialization in more applied areas such as Generative AI, Industrial AI, Robotic Intelligence, Cloud Computing, Ethical and Sustainable AI, Large Language Models, and Deep Learning, and more. Graduates from the program will be prepared for professional careers in areas like embedded system design and implementation, industrial and automotive systems engineering, software and data engineering, communications system design, medical signal processing, and beyond.

FINANCIAL ASSISTANCE

Students in this program pay a special tuition rate, which does not differ between residents and non-residents of Maryland. This rate is not fully covered by graduate assistantships, fellowships or the tuition assistance. Additional graduate student fees are charged. **Tuition and fees are subject to change.**

This program does not provide departmental assistantships or fellowships. Loans, work-study and need-based grants for citizens and permanent residents with demonstrated financial need may submit a Free Application for Federal Student Aid (FAFSA) by appropriate FAFSA deadlines.

Contact

Visit the MAGE Website for Additional Information: www.mage.umd.edu (https://mage.umd.edu/)

Maryland Applied Graduate Engineering
2105 J.M. Patterson Building
4356 Stadium Drive
University of Maryland
College Park, MD 20742
Telephone: 301.405.0362
Email: mage@umd.edu

Courses:

ADMISSIONS

GENERAL REQUIREMENTS

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

PROGRAM-SPECIFIC REQUIREMENTS

- Letters of Recommendation (2)
- Graduate Record Examination (GRE) (optional)
- CV/Resume (optional)

APPLICATION DEADLINES

Type of Applicant	Fall Deadline	Spring Deadline
Domestic Applicants		
US Citizens and Permanent Residents	July 31, 2025	December 17, 2024
International Applicants		
F (student) or J (exchange visitor) visas,E,G,H,I and L visas and immigrants	March 11, 2025	September 24, 2024

RESOURCES AND LINKS:

Other Deadlines: mage.umd.edu/admissions (https://mage.umd.edu/admissions/)
Program Website: mage.umd.edu (https://mage.umd.edu/)
Application Process: gradschool.umd.edu/admissions (https://gradschool.umd.edu/admissions/)

REQUIREMENTS

- Engineering Artificial Intelligence (online), Master of Engineering (M.Eng.) (https://academiccatalog.umd.edu/graduate/programs/engineering-artificial-intelligence-online-meai/engineering-artificial-intelligence-online-meng/)

FACILITIES AND SPECIAL RESOURCES

This program is currently offered 100% online. The Clark School of Engineering's Distance Education Technology and Services (DETS) office administers a live interactive distance education system and webcast course capture for students to take courses as they are happening, in some instances, or at a time convenient for their schedule each week. In addition to lecture dissemination, DETS provides state-of-the-art chat, bulletin board, video chat, group presentation, and discussion technologies that give our distance students the same, if not more access to faculty and their fellow students.