ROBOTICS ENGINEERING (PMRO)

Graduate Degree Program
College: Engineering

Abstract

The Professional Master of Engineering program is designed to assist engineers and technical professionals in the development of their careers and to provide the expertise needed in the rapidly changing business, government, and industrial environments.

Our program curriculum is designed to build understanding and expertise in robotics design, modeling, control systems, autonomous vehicle planning and perception, machine learning, and human-robot interaction. With a range of technical electives, students pursuing a robotics engineering degree are able to tailor their coursework towards their area of interest in robotics including artificial intelligence, computer vision and perception, space and planetary robotics, robot kinematics and dynamics, control, networked robotic systems, robotics at micro and Nano scale, and rehabilitation robotics.

For domestic students the program can be completed on a part-time basis, however international students must be enrolled full time.

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 remission. 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
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4356 Stadium Drive
University of Maryland
College Park, MD 20742
Telephone: 301.405.0362
Email: mage@umd.edu

Website: www.mage.umd.edu (https://mage.umd.edu/)

Courses: ENME (https://umd-curr.courseleaf.com/graduate/courses/enme/) ENRE (https://umd-curr.courseleaf.com/graduate/courses/enre/)

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

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

• Robotics Engineering, Master of Engineering (M.Eng.) (https://academiccatalog.umd.edu/graduate/programs/robotics-pmro/robotics-meng/)

FACILITIES AND SPECIAL RESOURCES

This program is currently offered in-person at the College Park Campus. In addition to in-person courses, you may have the option to take some course requirements in an online format. Course format offerings are subject to change.

This program is also offered 100% online. Please see Robotics Engineering (MERO) for more information.