Robotic Engineering (Z084) Graduate Certificate Program  
College: Engineering  

Abstract  
The Graduate Certificate in 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.  

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  
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  
Website: www.mage.umd.edu  
Courses: ENPM  

ADMISSIONS  
General Requirements  
- Statement of Purpose  
- Transcript(s)  
- TOEFL/IELTS/PTE (international graduate students)  

PROGRAM-SPECIFIC REQUIREMENTS  
- Graduate Record Examination (GRE) (optional)  
- CV/Resume (optional)  
- Letter of Recommendation (optional)  

*Visa Eligibility: This program is not eligible for I-20 or DS-2019 issuance by the University of Maryland.  

APPLICATION DEADLINES  
<table>
<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic Applicants</td>
<td></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>
<td></td>
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<tr>
<td>F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants</td>
<td>N/A</td>
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RESOURCES AND LINKS:  
Program Website: mage.umd.edu  
Application Process: gradschool.umd.edu/admissions  

REQUIREMENTS  
- Robotics Engineering, Post-Baccalaureate Certificate (P.B.C.)  

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 (Z153) for more information.