RELIABILITY ENGINEERING (Z064)

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 reliability engineering degree program provides qualified engineers with the tools they will need to better understand the factors that cause components and systems to fail. This interdisciplinary option is offered by the Department of Mechanical Engineering. Students pursuing a reliability engineering masters degree will study topics such as the mechanisms and physics of failure, methods for reliability, maintainability engineering, life cycle costing, and equipment sparing policies.

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

Courses: ENRE (https://academiccatalog.umd.edu/graduate/courses/enre/)

ADMISSIONS

General Requirements
- Statement of Purpose (http://advancedengineering.umd.edu/apply/)
- Transcript(s)

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

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<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
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<tbody>
<tr>
<td>Domestic Applicants</td>
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<tr>
<td>US Citizens and Permanent</td>
<td>July 31, 2025</td>
<td>December 17, 2024</td>
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<td>Residents</td>
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<td>International Applicants</td>
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<td>F (student) or J (exchange</td>
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<td>visitor) visas; A,E,G,H,I</td>
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<td>and L visas and immigrants</td>
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RESOURCES AND LINKS:
Program Website: mage.umd.edu (https://mage.umd.edu/)
Application Process: gradschool.umd.edu/admissions (https://gradschool.umd.edu/admissions/)

REQUIREMENTS
- Reliability Engineering, Post-Baccalaureate Certificate (P.B.C.) (https://academiccatalog.umd.edu/graduate/programs/reliability-engineering-z064/reliability-engineering-pbc/)

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 Reliability Engineering (Z042) for more information.