### RELIABILITY ENGINEERING (ONLINE) (Z042)

**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.

**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. For more information on this process, visit: [https://fafsa.ed.gov/deadlines.htm](https://fafsa.ed.gov/deadlines.htm).

**Contact**

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Office of Advanced Engineering Education  
2105 J.M. Patterson Building  
4356 Stadium Drive  
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College Park, MD 20742  
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**Email:** cgover@umd.edu  
**Website:** [http://www.advancedengineering.umd.edu](http://www.advancedengineering.umd.edu)

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

**Admissions**

**General Requirements**

- Statement of Purpose ([http://advancedengineering.umd.edu/apply/](http://advancedengineering.umd.edu/apply/))
- Transcript(s)
- TOEFL/IELTS/PTE ([international graduate students](https://gradschool.umd.edu/engineering/meng-campus/))

**Program-Specific Requirements**

- Two (2) Letters of Recommendation are required for anyone with an undergraduate GPA below 3.0. Anyone with a GPA 3.0 or above should contact the Office of Advanced Engineering Education with a request to waive this requirement.

For additional program-specific admission requirements, please visit: [https://advancedengineering.umd.edu/reliability](https://advancedengineering.umd.edu/reliability/).

**Visa Eligibility:** This program is not eligible for I-20 or DS-2019 issuance by the University of Maryland. For anyone needing these documents, consider applying for a full-time master's program offered on campus ([https://gradschool.umd.edu/engineering/meng-campus/](https://gradschool.umd.edu/engineering/meng-campus/)).

Applicants with an undergraduate GPA of less than 3.0 may be admitted on a provisional basis if they have demonstrated satisfactory performance in another graduate program and/or their work has been salutary.

Applicants with foreign credentials must submit academic records in the original language with literal English translations. Allow at least three months for evaluation of foreign credentials. International applicants are advised to review the Graduate School English requirements to learn whether or not the submission of TOEFL or IELTS scores is required.

For more information on the Office of Advanced Engineering Education admissions process: [https://advancedengineering.umd.edu/application-process](https://advancedengineering.umd.edu/application-process/).

For more admissions information or to apply to the program, please visit our Graduate School website: [www.gradschool.umd.edu/admissions](http://www.gradschool.umd.edu/admissions)

**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>
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<tr>
<td>US Citizens and Permanent Residents</td>
<td>Fall 2019: 26 July</td>
<td>13 Dec</td>
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<tr>
<td>International Applicants</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>Fall 2019: 26 July</td>
<td>13 Dec</td>
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<td>Fall 2020: 31 July</td>
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**Other Deadlines:** Please visit the program website at [http://www.advancedengineering.umd.edu](http://www.advancedengineering.umd.edu)

**Requirements**

- Reliability Engineering, Post-Baccalaureate Certificate (P.B.C.) ([https://academiccatalog.umd.edu/graduate/programs/reliability-engineering-online-z042/reliability-engineering-pbc/](https://academiccatalog.umd.edu/graduate/programs/reliability-engineering-online-z042/reliability-engineering-pbc/))

**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 or at a time convenient for their schedule. 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.