BIOENGINEERING (Z054)

Graduate Certificate Program
College: Engineering

Abstract
Bioengineering is steadily becoming the world's largest industrial sector. There is an increasing demand in the job market for doctors who are competent in the latest technologies and engineers who are properly trained in basic medical science and biotechnology. The Fischell Department of Bioengineering at the University of Maryland is the home of this emerging academic discipline, exciting interdisciplinary degree programs, and faculty and students who want to make a difference in human health and biological science through education, research, and invention.

Students will learn to integrate principles of engineering and biological systems to develop new technologies and devices that improve human health, fight disease, and aid persons with disabilities.

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: https://mage.umd.edu/

Courses: BIOE (https://academiccatalog.umd.edu/graduate/courses/bioe/)

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

• 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>
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<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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<table>
<thead>
<tr>
<th>International Applicants</th>
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<tr>
<td>F (student) or J (exchange visitor) visas, A,E,G,H,J and L visas and immigrants</td>
<td>N/A</td>
<td>N/A</td>
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</tbody>
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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

• Bioengineering, Post-Baccalaureate Certificate (P.B.C.) (https://academiccatalog.umd.edu/graduate/programs/bioengineering-z054/bioengineering-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 Bioengineering (Z083) for more information.