

BIOENGINEERING (ONLINE) (MEBI)

Graduate Degree 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 (<https://bioe.umd.edu/>) 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 in our Master of Engineering program 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. Students have the option to complete the program online or on campus. This program is uniquely positioned to offer educational strengths in engineering, biology, and medicine. In just 10 courses, you'll earn a master's degree that will prepare you to pioneer innovative engineering solutions that improve human health around the world.

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 assistance. 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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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

- Letters of Recommendation (2)
- Graduate Record Examination (GRE) (optional)
- CV/Resume (optional)

***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/>).

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 salutory.

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.

APPLICATION DEADLINES

Type of Applicant	Fall Deadline	Spring Deadline	Summer Deadline
Domestic Applicants			
US Citizens and Permanent Residents	July 21, 2026	December 16, 2025	May 15, 2026
International Applicants			
F (student) or J (exchange visitor) visas; A, E, G, H, I and L visas and immigrants	July 31, 2026	December 16, 2025	May 15, 2026

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

- Bioengineering, Master of Engineering (M.Eng.) (<https://academiccatalog.umd.edu/graduate/programs/bioengineering-online-mebi/bioengineering-meng/>)

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, in some instances, or at a time convenient for their schedule each week. 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.