

BIOENGINEERING (PMBI)

Graduate Degree Program
College: Engineering

Abstract

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

2105 J.M. Patterson Building
4356 Stadium Drive
University of Maryland
College Park, MD 20742

Telephone: 301.405.0362

Email: 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)

APPLICATION DEADLINES

Type of Applicant	Fall Deadline	Spring Deadline	Summer Deadline
Domestic Applicants			
US Citizens and Permanent Residents	July 31, 2027	December 15, 2026	May 15, 2027
International Applicants			
F (student) or J (exchange visitor) visas, E, G, H, I and L visas and immigrants	March 8, 2027	September 24, 2026	N/A

RESOURCES AND LINKS:

Other Deadlines: mage.umd.edu/admissions (<https://mage.umd.edu/admissions/>)

Program Website: mage.umd.edu/programs/bioengineering (<https://mage.umd.edu/programs/bioengineering/>)

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-pmbi/bioengineering-meng/>)

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 (MEBI) for more information.