

BIOENGINEERING (ONLINE) (Z083)

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 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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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/apply/>)
- 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

Type of Applicant	Fall Deadline	Spring Deadline
Domestic Applicants		
US Citizens and Permanent Residents	July 31, 2025	December 17, 2024
International Applicants		
F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants	July 31, 2025	December 17, 2024

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, Post-Baccalaureate Certificate (P.B.C.) (<https://academiccatalog.umd.edu/graduate/programs/bioengineering-online-z083/bioengineering-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, 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.