

# MATERIALS SCIENCE AND ENGINEERING (Z060)

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 Materials Science and engineering degree programs empower students to solve important scientific and technical problems through advancements in the underlying materials systems. Multidisciplinary courses and access to advanced laboratories also position graduates to become leaders in the field.

## 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>.

## Contact

Caitlin Gover

Program Manager for Admission and Recruitment

Maryland Applied Graduate Engineering

2105 J.M. Patterson Building

4356 Stadium Drive

University of Maryland

College Park, MD 20742

Telephone: 301.405.7712

Email: [cgover@umd.edu](mailto:cgover@umd.edu)

Website: [www.mage.umd.edu \(https://mage.umd.edu/\)](https://mage.umd.edu/)

Courses: ENMA (<https://umd-curr.courseleaf.com/graduate/courses/enma/>)

## 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 (optional): 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 MAGE with a request to waive this requirement.
- 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.

## APPLICATION DEADLINES

| Type of Applicant   | Fall Deadline  | Spring Deadline   |
|---|----------------|-------------------|
| <b>Domestic Applicants</b>  |                |                   |
| US Citizens and Permanent Residents   | August 1, 2023 | December 15, 2022 |
| <b>International Applicants</b>   |                |                   |
| F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants | N/A            | N/A               |

### RESOURCES AND LINKS:

**Program Website:** [mage.umd.edu \(https://mage.umd.edu/\)](https://mage.umd.edu/)

**Application Process:** [gradschool.umd.edu/admissions \(https://gradschool.umd.edu/admissions/\)](https://gradschool.umd.edu/admissions)

## Requirements

- Materials Science and Engineering, Post-Baccalaureate Certificate (P.B.C.) (<https://academiccatalog.umd.edu/graduate/programs/materials-science-engineering-z060/materials-science-engineering-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.