Chemical and Biomolecular Engineering (Z055)

Graduate Certificate Program
College: Engineering

Abstract
The Professional Master of Engineering program is a practice-oriented part-time graduate program 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. Late afternoon, evening, and 100% online classes are taught by the College Park faculty and experienced adjunct faculty at the College Park campus and designated learning centers in Maryland.

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 (https://fafsa.ed.gov/deadlines.htm).

Contact
Anna Damm
Coordinator for Admission and Recruitment
Office of Advanced Engineering Education
2105 J.M. Patterson Building
4356 Stadium Drive
University of Maryland
College Park, MD 20742
Telephone: 301.405.7200
Email: adamm1@umd.edu
Website: http://www.advancedengineering.umd.edu

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
• 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 Office of Advanced Engineering Education with a request to waive this requirement.

*Visa Eligibility: This program is not eligible for I-20 or DS-2019 issuance by the University of Maryland. International applicants should consider applying for the online programs (https://gradschool.umd.edu/engineering/cert-online).

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 salutary.

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.

Full admission requires the following prerequisites:
• A bachelor’s degree, GPA of 3.0 or better, in engineering, computer science, physics, applied mathematics, physical sciences, or a closely related field from an accredited institution
• Completion of calculus I, II, and III, differential equations, thermodynamics\(^1\), fluid mechanics\(^1\), and heat transfer\(^1\)
• Completed applications are reviewed on a case-by-case basis. Please visit the department website (https://advancedengineering.umd.edu/application-process) for more information.

\(^1\) CHBE301, CHBE302, CHBE422, CHBE424 are equivalent.

For more admissions information or to apply to the program, please visit our Graduate School website: www.gradschool.umd.edu/admissions

Application Deadlines

<table>
<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
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</thead>
<tbody>
<tr>
<td>Domestic Applicants</td>
<td>26 Jul</td>
<td>14 Dec</td>
</tr>
<tr>
<td>US Citizens and Permanent Residents</td>
<td>26 Jul</td>
<td>14 Dec</td>
</tr>
</tbody>
</table>

International Applicants

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<thead>
<tr>
<th>Type of Visa</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants</td>
<td>program not currently accepting applications</td>
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Other Deadlines: Please visit the program website at http://www.advancedengineering.umd.edu

Requirements
• Chemical and Biomolecular Engineering, Post-Baccalaureate Certificate (P.B.C.) (https://academiccatalog.umd.edu/graduate/programs/chemical-biomolecular-engineering-z055/chemical-biomolecular-engineering-pbc)

Faculty

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First/Middle Name</th>
<th>Graduate Faculty Status</th>
<th>Academic Credentials</th>
<th>Positions</th>
</tr>
</thead>
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