CLOUD ENGINEERING (Z168)

Graduate Certificate Program
College: Engineering

ABSTRACT
This Graduate Certificate in Engineering program will provide a deep understanding of cloud-based information and software systems. Students will learn the fundamentals of cloud technologies, including the Linux operating system, various system virtualization technologies, SQL and non-SQL databases, and Python coding skills. The program's electives allow for further specialization in cloud security, machine learning, Internet of Things, or software-defined networking. The program will prepare students for a career in cloud-based technologies in positions such as cloud system architect, cloud engineer, and cloud application developer.

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
Visit the MAGE Website for Additional Information: www.mage.umd.edu

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College Park, MD 20742
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Email: mage@umd.edu
Website: https://mage.umd.edu/

Courses: ENCH (https://umd-curr.courseleaf.com/graduate/courses/ENCH/) ENPM (https://umd-curr.courseleaf.com/graduate/courses/ENPM/)

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 (3)
• Graduate Record Examination (GRE) (optional)
• CV/Resume (optional)

APPLICATION DEADLINES

<table>
<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic Applicants</td>
<td></td>
<td></td>
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<tr>
<td>US Citizens and Permanent Residents</td>
<td>July 31, 2024</td>
<td>December 15, 2023</td>
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<tr>
<td>International Applicants</td>
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<td>F (student) or J (exchange visitor)</td>
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<td>visas; A,E,G,H,I and L visas and immigrants</td>
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RESOURCES AND LINKS:

Program Website: mage.umd.edu (https://mage.umd.edu/)
Application Process: gradschool.umd.edu/admissions (https://gradschool.umd.edu/admissions/)

REQUIREMENTS

• Cloud Engineering, Post-Baccalaureate Certificate (P.B.C.) (https://academiccatalog.umd.edu/graduate/programs/cloud-engineering-z168/cloud-engineering-pbc/)