CYBERSECURITY ENGINEERING (Z073)

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

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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.

We recognize that technical experts working in Cybersecurity have diverse academic and professional backgrounds. Therefore, our admissions requirements allow for diversity but also must ensure that qualified students are prepared to succeed in this highly technical academic program.

We offer three levels of admission depending upon the academic background, academic performance, and professional experience of the applicant. Please note that three letters of recommendation (preferably professional letters) are required for admission.

- Prerequisite requirement: ENEE150 or equivalent.
- Full Admission: Applicants must have a bachelor’s degree, GPA of 3.0 or better, in engineering, computer science, applied mathematics, or physics from an accredited institution.
- Provisional Admission: Applicants must have a degree, GPA of 3.0 or better, in a closely related field of study, such as information technology, information assurance, and computer information systems and must also possess at least one of the following certifications: 1) CompTIA Security+, 2) GIAC GSEC, 3) Certified Ethical Hacker certification. Applicants admitted with provisional admission will need to complete two core courses with at least a B or better in each course.
- Advanced Special Student Admission: Applicants must have a bachelor’s degree, GPA of 3.0 or better, in other fields of study closely related to information technology, information assurance, or computer information systems, one of the above mentioned certifications, and at least two years of post-graduate work experience in IT or a related field. To qualify for this admission, applicants must submit a detailed description of their technical work experience as a personal statement attached to the Supplementary Application section of the application. This option is based on an individual’s application. Applicants admitted as advanced special students will need to complete two core courses with at least a B or better in each course in order to be considered for provisional admission later.

• Completed applications are reviewed on a case-by-case basis. Please visit the department website (https://advancedengineering.umd.edu/application-process) for more information.

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

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<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
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<tr>
<td>Domestic Applicants</td>
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<tr>
<td>US Citizens and Permanent Residents</td>
<td>26 July</td>
<td>14 Dec</td>
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<td>International Applicants</td>
<td>program not currently accepting applications</td>
<td>program not currently accepting applications</td>
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<td>F (student) or J (exchange visitor) visas; A, E, G, H, I and L visas and immigrants</td>
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Other Deadlines: Please visit the program website at http://www.advancedengineering.umd.edu

Requirements

- Cybersecurity Engineering, Post-Baccalaureate Certificate (PB.C.) (https://academiccatalog.umd.edu/graduate/programs/cybersecurity-engineering-z073/cybersecurity-engineering-pbc)

Facilities and Special Resources

Courses in the Professional Master of Engineering program are currently offered on the College Park campus, at off-campus centers via video-teleconferencing, and 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 or at a time convenient for their schedule. Remote sites around the State of Maryland where our courses can be taken live via DETS are at the Universities at Shady Grove in Montgomery County, the University Center of Northeastern Maryland in Harford County, and the Southern Maryland Higher Education Center in St. Mary’s County. 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.

The Clark School’s Engineering Information Technology group also provides access to needed software and computer resources through dedicated virtual computer terminals that allow distance students full access to licensed software, libraries, databases, and specialized programs.