

CIVIL AND ENVIRONMENTAL ENGINEERING (ENCE)

Graduate Degree Program
College: Engineering

Abstract

The Department of Civil and Environmental Engineering offers graduate courses leading to the Master of Science and Doctor of Philosophy degrees. All programs are planned on an individual basis by the student and an advisor taking into consideration the student's background and special interests. Areas of concentration at both the master's and doctoral levels include: Disaster Resilience, Environment and Health, Intelligent Infrastructure, Project Management and Transportation and Mobility.

Financial Assistance

Research assistantships may be available from individual faculty members, depending on available resources. Only a limited number of teaching assistantships are available. Part-time work as grading assistants may be available as well. For best consideration for funding, apply by the preferred deadlines: September 1 for Spring admission, and January 15 for Fall admission.

Contact

Department of Civil and Environmental Engineering

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Website: [cee.umd.edu \(https://academiccatalog.umd.edu/graduate/programs/civil-environmental-engineering-ence/cee.umd.edu\)](https://academiccatalog.umd.edu/graduate/programs/civil-environmental-engineering-ence/cee.umd.edu)

Courses: ENCE (<https://academiccatalog.umd.edu/graduate/courses/ence/>)

ADMISSIONS

All applicants must hold a Bachelor's degree, typically in engineering, physical sciences, mathematics, or other quantitative fields, from an accredited institution. Applicants with undergraduate degrees in other disciplines are evaluated on a case by case basis and may be accepted with the stipulation that deficiencies in prerequisite undergraduate coursework be corrected before enrolling in graduate courses. In addition to the requirements set forth by the Graduate School, applicants must have a minimum GPA of 3.0 to apply to the Master's Program, and a minimum GPA of 3.5 to apply to the Doctoral Program. Applicants with lower GPAs may be considered and accepted on a provisional basis if other indicators of ability are exceptional (letters of recommendation, GRE scores, prior experience, etc.).

We strongly encourage applicants to the M.S. or Ph.D. in Civil and Environmental Engineering to identify one or two faculty members (on the Educational Intent section of the application) with whom you might be interested in working should you be admitted to the program. Identifying

your faculty interests will help us better-evaluate your application. Preferred deadline (best consideration for funding): September 1 for Spring admission, and January 15 for Fall admission.

GENERAL REQUIREMENTS

- Statement of Purpose
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (<https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/>))

PROGRAM-SPECIFIC REQUIREMENTS

- Letters of Recommendation (3)
- CV/Resume
- Graduate Record Examination (GRE) (optional)

APPLICATION DEADLINES

Type of Applicant	Fall Deadline	Spring Deadline
Domestic Applicants		
US Citizens and Permanent Residents	May 1, 2025	October 15, 2024
International Applicants		
F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants	January 30, 2025	September 17, 2024

RESOURCES AND LINKS:

Other Deadlines: [cee.umd.edu/graduate/prospective-students/admissions \(https://cee.umd.edu/graduate/prospective-students/admissions/\)](https://cee.umd.edu/graduate/prospective-students/admissions)

Program Website: [cee.umd.edu/graduate/prospective-students/admissions \(https://academiccatalog.umd.edu/graduate/programs/civil-environmental-engineering-ence/cee.umd.edu/graduate/prospective-students/admissions/\)](https://academiccatalog.umd.edu/graduate/programs/civil-environmental-engineering-ence/cee.umd.edu/graduate/prospective-students/admissions/)

Application Process: [gradschool.umd.edu/admissions/application-process/step-step-guide-applying \(https://gradschool.umd.edu/admissions/application-process/step-step-guide-applying/\)](https://gradschool.umd.edu/admissions/application-process/step-step-guide-applying)

REQUIREMENTS

- Civil and Environmental Engineering, Doctor of Philosophy (Ph.D.) (<https://academiccatalog.umd.edu/graduate/programs/civil-environmental-engineering-ence/civil-environmental-engineering-phd/>)
- Civil and Environmental Engineering, Master of Science (M.S.) (<https://academiccatalog.umd.edu/graduate/programs/civil-environmental-engineering-ence/civil-environmental-engineering-ms/>)

FACILITIES AND SPECIAL RESOURCES

Departmental research facilities include laboratories in the following areas: transportation, systems analysis, environmental engineering, hydraulics, remote sensing, structures, and soil mechanics. Graduate students have convenient access to a spectrum of computer facilities, including networked personal computers and workstations, specialized

computer-aided design, graphics, and visualization laboratories, campus mainframe computers, and remote supercomputer facilities.

The Washington and Baltimore metropolitan areas are easily accessible for data, field studies, library access, contacts with national organizations, and attendance at national meetings. The location of the University of Maryland offers a unique opportunity to obtain an advanced degree in civil engineering.