ENVIRONMENTAL SCIENCE AND TECHNOLOGY (ENST)

Graduate Degree Program
College: Agriculture and Natural Resources

Abstract

The Department of Environmental Science and Technology (ENST) offers graduate programs leading to the Master of Science and Doctor of Philosophy degrees. ENST students can choose to work within one of four specializations: Soil and Watershed Sciences; Ecological Technology Design; Wetland Science; Ecosystem Health and Natural Resource Management.

Financial Assistance

ENST offers a number of graduate assistantships to qualified applicants that are awarded on a competitive basis. To apply, use the form for requesting financial assistance included in the Graduate School application packet. In addition to a competitive stipend, graduate assistants receive tuition assistance and are offered excellent health benefits by the University of Maryland.

Contact

Tina Scites
Administrative Assistant and Graduate Coordinator
Department of Environmental Science and Technology
1426 Animal Sciences/Agricultural Engineering Building
8127 Regents Drive
University of Maryland
College Park, MD 20742
Telephone: 301.405.1198
Fax: 301.314.9023
Email: tscites@umd.edu

Martin C. Rabenhorst, PhD
Director of Graduate Studies
Department of Environmental Science and Technology
1109 H.J. Patterson Hall
4065 Campus Drive
University of Maryland
College Park, MD 20742
Telephone: 301.405.1343
Fax: 301.314.2763
Email: gradstudies-enst@umd.edu

Website: http://www.enst.umd.edu

Courses: ENST

ADMISSIONS

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
- Supplementary Application (https://gradschool.umd.edu/sites/default/files/2023-05/umdsupplementaryapplicationenst2021.pdf)
- Writing Sample (optional)
- Description of Research/Work Experience

Students seeking admission should have strong training in the basic sciences and mathematics. To be admitted with full admission status, a student must have completed a minimum of one semester of Calculus and a total of at least 20 credits in some combination of basic level Chemistry, Physics, Biology or Mathematics (beyond Calculus I). It is also helpful for applicants to have completed other courses in science and engineering. Applicants to the M.S. program must have earned a B.S. degree in a related field with an undergraduate cumulative GPA of 3.0 or higher. Applicants to the Ph.D. degree program must have earned an M.S. Degree in a closely related field. In special cases students may be admitted to a Ph.D. program without first completing an M.S. degree provided these students have:

1. an exceptional academic record and test scores; and
2. have demonstrated significant research experience during their B.S. program (such as completion of a research based honors thesis.)

Application Deadlines

Type of Applicant	Fall Deadline	Spring Deadline	Summer Deadline
Domestic Applicants			
US Citizens and Permanent Residents	December 17, 2026	October 8, 2026	N/A
International Applicants			
F (student) or J (exchange visitor) visas; A, E, G, H, I and L visas and immigrants	December 17, 2026	September 22, 2026 (Ph.D. only)	N/A
		September 24, 2026 (M.S. only)	

RESOURCES AND LINKS:
Program Website: http://www.enst.umd.edu
Application Process: gradschool.umd.edu/admissions/application-process/step-step-guide-applying (https://gradschool.umd.edu/admissions/application-process/step-step-guide-applying/)

REQUIREMENTS

- Environmental Science and Technology, Doctor of Philosophy (Ph.D.) (https://academiccatalog.umd.edu/graduate/programs/environmental-science-technology-enst/environmental-science-technology-phd/)
- Environmental Science and Technology, Master of Science (M.S.) (https://academiccatalog.umd.edu/graduate/programs/environmental-science-technology-enst/environmental-science-technology-ms/)

FACILITIES AND SPECIAL RESOURCES

The Department has many well-equipped laboratories designed to carry out basic and applied research in Soil and Watershed Sciences, Ecological Technology Design, Wetland Science, and Ecosystem Health and Natural Resources Management. Laboratories are located on the College Park campus in H.J. Patterson Hall and the ANSC/AGEN Building. Greenhouse facilities are available on campus and a statewide network of research and education centers as well as our proximity to Chesapeake Bay provide access to a wide range of environmental conditions for research. Students have access to computer resources in the department and a comprehensive computer center located on campus. The University Libraries on campus and the National Agricultural Library located nearby, supplemented by the Library of Congress, make the library resources accessible to students among the best in the nation. Many ENST projects are conducted in cooperation with other departments on campus and with professionals at various scientific centers in the area. Scientists at the USDA-ARS, US Geological Survey, the National Academy of Sciences, NASA, National Institutes of Health, Department of Energy, Smithsonian, and National Park Service, US Fish & Wildlife Service, as well as other agencies, have cooperated with ENST faculty on various projects. Scientists from some of these agencies have adjunct appointments in the Department, have taught special courses at the University, and participate on graduate committees.