

Master of Environmental Engineering



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Program Overview

The Master of Environmental Engineering (MENE) is designed for students with an undergraduate degree in an engineering discipline who wish to pursue a graduate degree. Students who do not have an undergraduate degree in civil engineering, environmental engineering, or construction engineering and management should consult the department website for a list of required prerequisites at <https://www.ccee.ncsu.edu/academics/graduate-programs/admission/>.

Admission Requirements

Prerequisites for admission to the MENE degree include an undergraduate degree in civil or environmental engineering from an accredited institution or its equivalent with an overall GPA of 3.0. The Graduate Record Exam (GRE) is automatically waived for applicants who have an engineering degree from a US institution. The TOEFL or IELTS scores (no more than two years old) are required for international applicants unless they have completed one year of full-time study at a U.S. university. You must apply for admissions to the MENE program online <https://grad.ncsu.edu/apply/>. When completing the online application, please be sure to select the "Distance Track" version of the degree.

Degree Requirements

- Completion of 30 credit hours of graduate level courses at the 400, 500 or 700 level with an overall grade point average of 3.0. At least 24 hours must be at the 500 level or above and 400 level courses must be outside of civil engineering.
- Students are assigned an academic advisor and must work with this advisor to develop an individual Plan of Graduate Work.
- At least one half (15) of all credit hours must be in environmental engineering.
- Students have the option of completing a 3-credit hour project as part of their degree program.
- The remaining credit hours can be civil engineering courses or related courses from other departments.
- No thesis or on-campus residency requirement.
- All requirements for the degree must be completed within six years of enrolling in the first course approved in the Plan of Graduate Work. Students must comply with the Graduate School regulations for continuous enrollment or must request a leave of absence not to exceed one year.

Course Registration

To register for an Engineering Online course log into <https://www.webtools.ncsu.edu/engronline/> and submit the registration form. Students cannot register through the University MyPack Portal system for Engineering Online courses.

A person does not have to be admitted to a degree program to enroll in an online credit course. Prior to applying to Graduate School, a qualified individual may enroll in Engineering Online courses as a Non-Degree Studies (NDS) student. All course prerequisites must still be satisfied. The NDS classification is designed for individuals who wish to undertake academic work but who are not currently admitted to a degree program. If the student is admitted to the MENE program, a maximum of twelve NDS credit hours may apply toward the 30 credit hour requirement if the student earns the grade of B or higher in each course.

Course Offerings

A list of distance education courses available for each semester can be found on the Engineering Online website. Full-time employed individuals can only enroll in two online courses per semester. It is highly recommended that new students enroll in one online course during their first semester.

The following environmental engineering courses will be available through the Engineering Online program in various semesters.

CE 536 Introduction to Numerical Methods for Civil Engineers
CE 571 Physical Principles of Environmental Engineering
CE 573 Biological Principles of Environmental Engineering
CE 574 Chemical Principles of Environmental Engineering
CE 576 Engineering Principles of Air Pollution Control
CE 577 Engineering Principles of Solid Waste Management
CE 579 Principles of Air Quality Engineering
CE 584 Hydraulics of Ground Water
CE 586 Engineering Hydrology
CE 588 Water Resources Engineering
CE 596 Special Topics in Water Resource and Environmental Engineering
CE 747 Geosynthetics in Geotechnical Engineering
CE 771 Physical-Chemical Water Treatment Processes
CE 772 Environmental Exposure and Risk Analysis
CE 774 Environmental Bioprocess Technology

Course Logistics

Online courses are the same as on campus courses in terms of content, requirements and academic rigor. On campus class lectures are captured, digitized and placed on the Internet for distance students to access at any time and from any location. Students must, however, follow the on-campus class schedule in terms of submitting homework and taking exams. Course assignments, lecture notes, and handouts are made available to distance students on the course website. All in-class exams must be proctored.

Contact Information

- For more information about the MENE degree program available online, contact:

Dr. Ranji Ranjithan, Director of Graduate Programs
Renee Howard, Graduate Services Coordinator
Department of Civil, Construction, and Environmental Engineering
Email: go-ccee-eol@ncsu.edu
Department web site: <https://www.ccee.ncsu.edu/>

- For more information about the registration process, course offerings and course logistics, contact:

Dr. Linda Krute, Director of Distance Education Programs
College of Engineering
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Email: linda_krute@ncsu.edu
EOL web site: <https://engineeringonline.ncsu.edu>