



# ENGINEERING ONLINE

NC STATE UNIVERSITY

## Master of Environmental Engineering

### 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 <http://www.ce.ncsu.edu/graduate/admission.phtml>.

### 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 required for admissions into the degree program; however, this may be waived upon request from students with engineering or closely related undergraduate degrees that have a strong mathematical curriculum. The TOEFL or IELTS scores (no more than two years old) are required for international applicants unless they have completed one year of study at a university in the United States, Canada or Great Britain. You must apply for admissions to the MENE program online <http://www.ncsu.edu/grad>. 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, complete the registration form on the Engineering Online website at <http://engineeringonline.ncsu.edu> by clicking on "Registration." Students cannot register for Engineering Online courses through the University MyPack Portal system.

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 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 588 Water Resources 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. Vernon Matzen, Director of Graduate Programs  
Department of Civil, Construction, and Environmental Engineering  
Telephone: 919.515.7736  
Email: [matzen@ncsu.edu](mailto:matzen@ncsu.edu)  
Department web site: <http://www.ce.ncsu.edu>

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

- Richard Shryock, Associate Director of Distance Education Programs  
College of Engineering  
Telephone: 919.513.3815  
Email: [richard\\_shryock@ncsu.edu](mailto:richard_shryock@ncsu.edu)  
EOL web site: <http://engineeringonline.ncsu.edu>