Environmental Engineering

Graduate programs are offered in coastal and water resources engineering, computing and systems, construction engineering and management, environmental engineering, geotechnical and geoenvironmental engineering, mechanics and materials, structural engineering and mechanics, transportation engineering and materials.

Admission Requirements
Normal minimum GPA requirements include 3.0 overall and in the major. Students who do not meet these academic requirements may take graduate courses through the Non Degree Studies program to demonstrate academic ability, but consultation with the Director of Graduate Programs is strongly advised. Applicants without academic experience in civil engineering, construction engineering, or environmental engineering may be required to take undergraduate courses to remove deficiencies, but graduate credit is not given for these courses. The Graduate Record Examination is required for all international applicants and all applicants to the MSCE or MSENE degree programs.

Master’s Degree Requirements
Four Master’s degrees, requiring a minimum of 30 or 31 credit hours, are available. At least two-thirds of a Master’s program should be in a well-defined major area of concentration. The MCE is a non-thesis (Option B) degree with other requirements, such as independent projects or core courses, specified in some areas of specialization. A formal minor is not permitted. The MCE is available both on-campus and through distance education. The MSCE degree requires a thesis and a formal minor is optional. Requirements for the MENE and MSENE are the similar to those for the CE degrees.

Doctoral Degree Requirements
The Ph.D. typically requires one year of full-time course work beyond the master’s degree and research culminating in a dissertation. The program must develop a well-defined major area of concentration and may include supporting courses outside the major or a formal minor in a related field. All specialty areas, including Environmental Engineering, are included in the one Ph.D. program.

Student Financial Support
Departmental teaching and research assistantships are available including coverage of tuition and health insurance. Fellowships -- full or supplemental to an assistantship -- are available for exceptional applicants. All financial aid recipients are selected on merit-based competition with other applicants. Applications requesting financial aid (both U.S. and international) should be submitted early: December 15 for Fall admission and by July 15 for Spring admission.

Degrees
- Environmental Engineering (MR) (http://catalog.ncsu.edu/graduate/engineering/environmental-engineering/environmental-engineering-mr/)
- Environmental Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/environmental-engineering/environmental-engineering-ms/)

Full Professors
Sankarasubramanian Arumugam
Morton A. Barlaz
Emily Zechman Berglund
Joseph F. DeCarolis
Area of Research: Environmental Engineering & Energy Policy
Francis Lajara De Los Reyes III
Joel Ducoste
Henry C. Frey
Mohammed Awad Gabr
Detlef R. Knappe
Gnanamanikam Mahinthakumar
Margery Frances Overton
Ranji Ranjithan

Associate Professors
Douglas F. Call
Area of Research: Environmental Engineering & Water Resources
Joel Casey Dietrich
Andrew P. Grieshop
Brina Mortensen Montoya
Daniel R. Obenour
Area of Research: Environmental & Coastal Engineering
Benjamin Shane Underwood

Assistant Professors
Katherine Anarde
Tarek Aziz
Fernando Garcia Menendez
Angela Rose Harris
Jordan Kern

Practice/Research/Teaching Professors
Florentino Banaag De La Cruz
Meagan Kittle Autry
James William Levis
Gregory W. Lucier
Elizabeth J. Sciaudone

Emeritus Faculty
Robert C. Borden
Earl Downey Brill Jr.

Adjunct Faculty
Michael Scott Breen
Anderson Rodrigo de Queiroz
Daniel J. Findley
Alejandra C. Geiger-Ortiz