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.

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.

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.

More Information

Environmental Engineering Program Website (https://www.ccee.ncsu.edu/academics/distance-education/)

Distance Website (https://engineeringonline.ncsu.edu/)

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.

Applicant Information

Environmental Engineering (MR)

- **Delivery Method:** On-Campus, Online, Hybrid
- **Entrance Exam:** None
- **Interview Required:** None

Environmental Engineering (MS)

- **Delivery Method:** On-Campus
- **Entrance Exam:** None
- **Interview Required:** None

Application Deadlines

- **Fall:** June 1 (US); March 1 (Intl)
- **Spring:** November 1 (US); July 1 (Intl)
- **Summer 1:** March 1 (US); December 15 (Intl)
- **Summer 2:** May 1 (US); December 15 (Intl)

Degrees

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

Full Professors

Sankarasubramanian Arumugam

Morton A. Barlaz

Emily Zechman Berglund

Joseph F. DeCarolis

Joel Casey Dietrich

Andrew P. Grieshop

Francis Lajara De Los Reyes III

Joel Ducoste

Henry C. Frey

Mohammed Awad Gabr

Detlef R. Knappe

Gnanamanikam Mahinthakumar

Brina Mortensen Montoya

Margery Frances Overton

Ranji Ranjithan

Benjamin Shane Underwood

Associate Professors

Tarek Aziz

Douglas F. Call

Angela Rose Harris

Fernando Garcia Menendez

Daniel R. Obenour

Assistant Professors

Katherine Anarde

Jorge Emilio San Juan Blanco

Khara Deanne Grieger

Jordan Kern

Jacelyn Jaunice Rice-Boayue

Practice/Research/Teaching Professors

Florentino Banaag De La Cruz

Meagan Kittle Autry

James William Levis

Gregory W. Lucier

Anderson Rodrigo de Queiroz

Elizabeth J. Sciaudone

Adjunct Faculty

Michael Scott Breen

Daniel J. Findley

Alejandra C. Geiger-Ortiz

Aditya Sinha

Assistant Research Professor

Hana T. Chmielewski

Tongchuan Wei

Emeritus Faculty

Robert C. Borden

Earl Downey Brill Jr.