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.

Degrees earned will be distributed as: "Master of Civil Engineering", "Master of Science," and "Doctor of Civil Engineering" without specialization specifications.

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 PhD, 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
- Civil Engineering (MR) (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-mr/)
- Civil Engineering (MS) (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-ms/)
- Civil Engineering (PhD) (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-phd/)
- Civil Engineering (Minor) (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/civil-engineering-minor/)
- Performance Based Earthquake Engineering (Certificate) (http://catalog.ncsu.edu/graduate/engineering/civil-engineering/performance-based-earthquake-engineering-cert/)

Faculty
Full Professors
Sankarasubramanian Arumugam
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Emily Zechman Berglund
Francis Lajara De Los Reyes III
Joel Ducoste
Henry C. Frey
Mohammed Awad Gabr
Murthy N.Guddati
Abhinav Gupta
Tasnim Hassan
Edward J. Jaselskis
Youngsoo R. Kim
Detlef R. Knappe
Mervyn J. Kowalsky
George F. List
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Gnanamanikam Mahinthakumar
James M. Nau
Margery F. Overton
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Douglas F. Call  
**Area of Research:** Environmental & Water Resources  
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Benjamin Shane Underwood

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**Assistant Professors**  
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Fernando Garcia Menendez  
Ali Hajbabaie  
Kook Han  
Angela Rose Harris  
Jordan Kern  
Jason Fredrick Patrick  
Giorgio Talotti Proestos

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**Practice/Research/Teaching Professors**  
Saran Srikanth Bodda  
Florentino Banaag De La Cruz  
Billy L. Edge  
Meagan Kittle Autry  
James William Levis  
Gregory W. Lucier  
Mohamad Shoaib Samandar  
Elizabeth J. Sciaudone

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**Emeritus Faculty**  
William L. Bingham  
Robert C. Borden  
Roy H. Borden  
Earl Downey Brill Jr  
Allen C. Chao  
John S. Fisher  
Ajaya K. Gupta  
Kerry S. Havner  
Clinton L. Heimbach  
Yasuyuki Horie  
David West Johnston  
Narendra P. Khosla  
Michael Lloyd Leming  
Vernon C. Matzen  
Stephens W. Nunnally  
M. Shamimir Rahman  
Sami Rizkalla  
Nagu R. Ruphail, Distinguished Professor Emeritus  
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J. C. Smith  
John R. Stone  
Harvey E. Wahls  
Paul Z. Zia

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**Adjunct Faculty**  
Amin Kamal Akhnouk  
Michael Scott Breen, Adjunct Professor  
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Daniel J. Findley, Adjunct Assistant Professor  
**Area of Research:** Transportation Research (ITRE)  
Alessandra C. Geiger-Ortiz, Adjunct Assistant Professor  
**Area of Research:** Coastal Engineering  
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Anderson Rodrigo de Queiroz, Adjunct Research Assistant Professor