

Academics

Undergraduate Degree Programs

- Bachelor of Science in Civil Engineering
- Bachelor of Science in Construction Engineering
- Bachelor of Science in Environmental Engineering

Graduate Degree Programs

- PhD in Civil Engineering
- Master of Science in Civil Engineering (MSCE) and Environmental Engineering (MSENE)
- Master of Civil Engineering (MCE) and Environmental Engineering (MENE)

Engineering Online Degree Programs

- Master of Civil Engineering (MCE) and Environmental Engineering (MENE)

Areas of Expertise

- Computing and Systems
- Construction Engineering
- Environmental, Water Resources, and Coastal Engineering
- Geotechnical/Geoenvironmental Engineering
- Mechanics and Materials
- Structural Engineering and Mechanics
- Transportation Systems and Materials

Centers, Institutes & Laboratories

- State-of-the-art laboratories in structures, environmental, geotechnical, computing and transportation materials.
- Department of Homeland Security Center of Excellence on Natural Disasters, Critical Information and Engineering Management (DIEM)
- Center for Nuclear Energy Facilities and Structures (CNEFS)
- Institute for Transportation Research and Education (ITRE)
- NSF Industry-University Cooperative Research Center: Center for the Integration of Composites in Infrastructure (CICI)

Key Statistics

- One of the largest CE departments in the nation.
- 48 distinguished faculty, including 12 with NSF Career Awards, and many recipients of national, state, and local awards for excellence in education and research. Faculty are leaders in many national and international professional societies.
- Total research expenditures exceed 19.9 million dollars.
- Strong undergraduate and graduate programs
- **2014 Princeton Review**
 - 4th Best Value Public University
- **Rankings**
 - 14th in Undergraduate Civil Engineering
 - 11th in Undergraduate Environmental Engineering
 - 17th in Graduate Civil Engineering
 - 25th in Graduate Environmental Engineering
- Undergraduate enrollment of **777**; **155** undergraduate degrees were awarded in 2016/17, including **123** CE, **11** CON, and **21** ENE
- Fall 2017 graduate enrollment of **340** including **204** in the Master's programs and **136** in the PhD program. A total of **20** PhD, **19** MS, and **58** MCE and MENE degrees were awarded in 2016/17.
- **78** students are enrolled in the Department's Distance Education program.
- Funded endowment exceeds 19 million dollars.

Firm of the Month

- Over 37 of our corporate partners have been showcased in Mann Hall. Contact Lindsay Smith for further information (lksmith4@ncsu.edu).

More Information

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Rev 09/17



CCEE Faculty*

Computing and Systems

Sankar Arumugam ('01) Tufts University	Kevin Han ('16) University of Illinois
John Baugh ('89) Carnegie Mellon University	Min Liu ('07) UC Berkeley
Emily Berglund ('05) NC State University	Kumar Mahinthakumar ('95) University of Illinois
E. Downey Brill ('72) Johns Hopkins University	Fernando Garcia Menendez ('13) Georgia Tech
Joe DeCarolis ('04) Carnegie Mellon University	Daniel Obenour ('13) University of Michigan
Casey Dietrich ('11) University of Notre Dame	Ranji Ranjithan ('92) University of Illinois
Murthy Guddati ('98) University of Texas at Austin	

Construction Engineering

Alex Albert ('13) University of Colorado	Roberto Nunez (MBA '91) University of NC at Chapel Hill
Kevin Han ('16) University of Illinois	William Rasdorf ('82) Carnegie Mellon University
Edward Jaselskis ('88) University of Texas at Austin	Ben Smith ('11) NC State University
Min Liu ('07) UC Berkeley	

Environmental Engineering, Water Resources and Coastal Engineering

Sankar Arumugam ('01) Tufts University	H. Christopher Frey ('91) Carnegie Mellon University
Tarek Aziz ('10) NC State University	Andy Grieshop ('08) Carnegie Mellon University
Morton Barlaz ('88) University of Wisconsin	Jeremiah Johnson ('07) Yale University
Emily Berglund ('05) NC State University	Joshua Kearns ('16) University of Colorado
E. Downey Brill ('72) Johns Hopkins University	Detlef Knappe ('96) University of Illinois
Douglas Call ('11) Penn State University	Fernando Garcia Menendez ('13) Georgia Tech
Joe DeCarolis ('04) Carnegie Mellon University	Daniel Obenour ('13) University of Michigan
Francis de los Reyes ('00) University of Illinois	Alejandra Ortiz ('15) MIT & Woods Hole Oceanographic Institution
Casey Dietrich ('11) University of Notre Dame	Ranji Ranjithan ('92) University of Illinois
Joel Ducoste ('96) University of Illinois	

Geotechnical/Geoenvironmental Engineering

Ashly Cabas Mijares ('16) Virginia Tech	Brina Montoya ('11) UC Davis
Mo Gabr ('87) NC State University	Shamimur Rahman ('77) UC Berkeley

Mechanics and Materials

Cassandra Castorena ('12) University of Wisconsin	Jason Patrick ('14) University of Illinois
Murthy Guddati ('98) University of Texas at Austin	Mohammad Pour-Ghaz ('11) Purdue University
Tasnim Hassan ('93) University of Texas at Austin	Shamimur Rahman ('77) UC Berkeley
Richard Kim ('88) Texas A&M University	Akhtar Tayebali ('90) UC Berkeley
Brina Montoya ('11) UC Davis	Shane Underwood ('11) NC State University

Structural Engineering and Mechanics

Murthy Guddati ('98) University of Texas at Austin	Jason Patrick ('14) University of Illinois
Abhinav Gupta ('95) NC State University	Mohammad Pour-Ghaz ('11) Purdue University
Tasnim Hassan ('93) University of Texas at Austin	Sami Rizkalla ('76) NC State University
Mervyn Kowalsky ('97) UC San Diego	Rudi Seracino ('00) University of Adelaide
Jim Nau ('82) University of Illinois	Steve Welton ('92) NC State University

Transportation Systems and Materials

Eleni Bardaka ('16) Purdue University	Nagui Roupail ('81) Ohio State University
Cassandra Castorena ('12) University of Wisconsin	Akhtar Tayebali ('90) UC Berkeley
Richard Kim ('88) Texas A&M University	Shane Underwood ('11) NC State University
George List ('84) University of Pennsylvania	Billy Williams ('99) University of Virginia



*Additional information can be found at www.ccee.ncsu.edu