

SCHOOL OF CIVIL & ENVIRONMENTAL ENGINEERING 2012 Facts



The School of Civil & Environmental Engineering (CEE) at Georgia Tech is one of 10 schools within the Institute's College of Engineering. The School has graduated more than 10,000 students and is consistently ranked as one of the most prominent programs of its kind in the country. As globalization redefines the traditional role of civil and environmental engineers, CEE is laying the groundwork for future generations to solve complex challenges facing growing populations. Our faculty are leaders in their respective disciplines, providing an exceptional range of opportunities for students both inside and outside of the classroom. Through technological solutions, global perspective, and a solid engineering core, CEE at Georgia Tech is educating leaders in the green revolution, helping to define the 21st Century for humanity.

BY THE NUMBERS

777
undergraduate
students

373
graduate
students

54
tenure-track
faculty

2013 *U.S. News & World Report* Rankings
undergraduate programs

No. 3 CIVIL
ENGINEERING

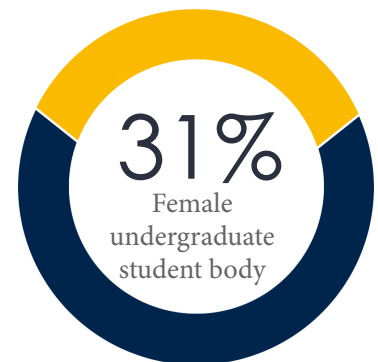
No. 2 ENVIRONMENTAL
ENGINEERING

graduate programs

No. 3 CIVIL
ENGINEERING

No. 6 ENVIRONMENTAL
ENGINEERING

3 Core Values:
RIGOR
DIVERSITY
ENTREPRENEURIAL SPIRIT



15 RESEARCH
CENTERS
national and/or state funded

OUR ADMINISTRATION



Dr. Reginald DesRoches
Karen and John Huff School
Chair and Professor



Dr. Donald Webster
Associate Chair,
Graduate Studies and
Professor



Dr. Jaehong Kim
Associate Chair,
Undergraduate Studies
and Associate Professor



Dr. Glenn J. Rix
Associate Chair, Finance and
Administration and
Professor



Dr. Paul A. Work
Associate Chair,
Associate Director, GT
Savannah and Associate
Professor

For information on development opportunities in
CEE at Georgia Tech, contact:

Laurie Somerville, Director of Development
404.894.2772 laurie.somerville@ce.gatech.edu

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Georgia
Tech

PROGRAMS The School of Civil & Environmental Engineering (CEE) at Georgia Tech offers 7 degrees (2 B.S., 4 M.S., and 1 Ph.D.) all of which include broad, comprehensive instruction and research across six disciplines of civil engineering: *Construction Engineering*, *Environmental Engineering*, *Geo-systems Engineering*, *Structural Engineering*, *Mechanics and Materials*, *Transportation Systems Engineering*; and *Environmental Fluid Mechanics and Water Resources*.

RESEARCH THRUSTS CEE research expenditures and projects continue to remain strong (\$16M - FY 2012). The School has 15 federal and/or state supported research centers that include faculty and students from other schools and universities. These specialized centers work to solve interdisciplinary problems to provide growing populations with innovative solutions. Our faculty and students work with industry and government, finding innovative solutions to help drive economic growth while improving human life on a global scale. CEE faculty are leading and/or actively participating in some of the Institute's major research initiatives including:

Energy

- Bio-fuel transportation and supply chain solutions
- Wind, wave and tidal energy
- Solar power using hydrodynamics
- Microbial fuel cells – using waste for electricity
- Energy from waste and landfills
- CO2 storage
- Nuclear waste disposal
- Enhanced Geothermal Systems

Environment & Health

- Water quality and treatment
- Wastewater reclamation and reuse
- Health effects of air pollution
- Bio-remediation of hazardous waste
- Pollution control and modeling

Infrastructure

- Disaster resilient infrastructure systems
- Materials for next generation infrastructure
- Sensing the built environment
- Infrastructure policy
- Infrastructure and energy
- Deterioration of bridges

Sustainability

- Atmospheric processes related to global warming
- Microbial processes for waste decomposition
- Using fly ash for materials
- Sustainable infrastructure systems
- Sustainability and social interaction
- Sustainable solutions for growth and development

Transportation

- Innovation and analysis of freight and passenger air travel
- Context Sensitive Solution (CSS) to develop scenic, historic, safe and environmentally friendly transportation systems
- Benefits of transportation investment
- Innovative materials and construction techniques
- Operational research to restore performance of highways during hazardous events
- Policy and planning
- Security, evacuation planning and modeling
- Structures and Bridges

Water

- Environmentally friendly hydropower installations
- Flood and drought management
- Environmentally sustainable desalination technologies
- River restoration
- Water systems security
- Remote and conventional sensors in water resources management
- Policy, legal, and institutional frameworks for shared water resources

\$16
million

in new research
funding FY 2012

7
degrees

offered: 2 BS, 4 MS, 1 PhD



“ People are our priority. The world is our laboratory. ”