Civil Engineers and Geological Scientists

as you consider graduate school, consider the University of Notre Dame

About the Program
The department of Civil Engineering and Geological Sciences has a vibrant research program focusing on four signature areas: Environmental Engineering, Environmental Fluid Dynamics, Environmental Geosciences, and Structural Engineering. We have state-of-the-art laboratories and computing facilities, and much of our activity involves modeling, from the molecular scale to the global scale. Our multidisciplinary character in research and education provides an unparalleled learning environment.

A wide array of research opportunities

- **Environmental Engineering**
  - Environmental Microbiology
  - Environmental Biotechnology
  - Biofilms
  - Nanoparticles in the Environment
  - Contaminant Fate and Transport in Soils and Sediments
  - Water and Wastewater Treatment
  - Water Resources in Developing Countries

- **Environmental Fluid Dynamics**
  - Atmospheric and Oceanic Boundary Layers
  - Hurricane Environments
  - Tsunami Propagation
  - Coastal and Inland Inundation
  - Urban and Global Air Pollution
  - Global Climate Change
  - Wind-Structure Interactions
  - Architectural and Urban Fluid Dynamics

- **Environmental Geosciences**
  - Environmental Mineralogy and Nuclear Waste Management
  - Petrology and Geochemistry
  - Environmental Geochemistry and Biogeochemistry
  - Environmental Mineralogy and Actinide Geochemistry
  - Planetary Petrology and Geochemistry

- **Structural Engineering**
  - Cyber-infrastructure Based Engineering
  - Multi-scale Modeling of Structures and Materials
  - Sensor Development and Embedded Sensor Networks
  - Structural Control and Health Monitoring
  - Structural Engineering Sustainable Development

Stipends and tuition scholarships
All admitted students are provided with full financial support that includes a competitive stipend and full tuition waiver. Currently, 12-month stipends are in the range of $23,000 to $25,000. Additional fellowships are available for members of underrepresented groups.

To learn more about our faculty and what you could expect as a student, visit Notre Dame’s Department of Civil Engineering and Geological Sciences and Graduate School Web sites at http://www.nd.edu/~cegeos and http://graduateschool.nd.edu

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visit us online at http://www.nd.edu/~cegeos