

# GRADUATE PROGRAM

# Civil and Environmental Engineering

<http://engineering.uci.edu/dept/cee/graduate>



The civil and environmental engineering program addresses the technology of constructed environments and, as such, embraces a wide range of intellectual endeavors. The Department of Civil and Environmental Engineering's mission is to provide students with a broad, fundamental and flexible educational program and to expand engineering knowledge through an active and exciting graduate research program.

## DEGREES OFFERED

M.S. & Ph.D.

## HIGHLIGHTS

- Internationally recognized academics
- State-of-the-art laboratories and research centers
- Interdisciplinary field involving courses in one or more related application areas

# RESEARCH FOCUS AREAS

At the point of application, a student must choose one of the four focus areas that comprise the civil and environmental engineering graduate program:

- **Structural Engineering** – includes engineering mechanics, advanced composites, structural dynamics, earthquake engineering, and reliability and risk assessment
- **Transportation Systems Engineering** – includes traffic operations and management, advanced information technology applications, travel behavior and transportation systems analysis
- **Hydrology and Water Resources Engineering** – includes hydrology, water resources and remote sensing
- **Environmental and Energy Systems** – includes environmental air and water chemistry, environmental microbiology and combustion technologies

Once admitted, an adviser will be assigned according to the focus area a student has chosen. Financial support through research or teaching assistantships and a variety of fellowships and scholarships is available to qualified students.

# AFFILIATED FACILITIES

- Advanced Power and Energy Program
- Center for Hydrometeorology and Remote Sensing
- Institute of Transportation Studies
- Water-Energy Nexus (WEX) Center
- Structural Engineering Test Hall
- Water UCI

# AFFILIATED PROJECTS

- FloodRISE
- Research Opportunities for Community College Teachers
- UCI Water-PIRE
- UC Stormwater Initiative