



M.S. AND PH.D. IN

# ENVIRONMENTAL ENGINEERING

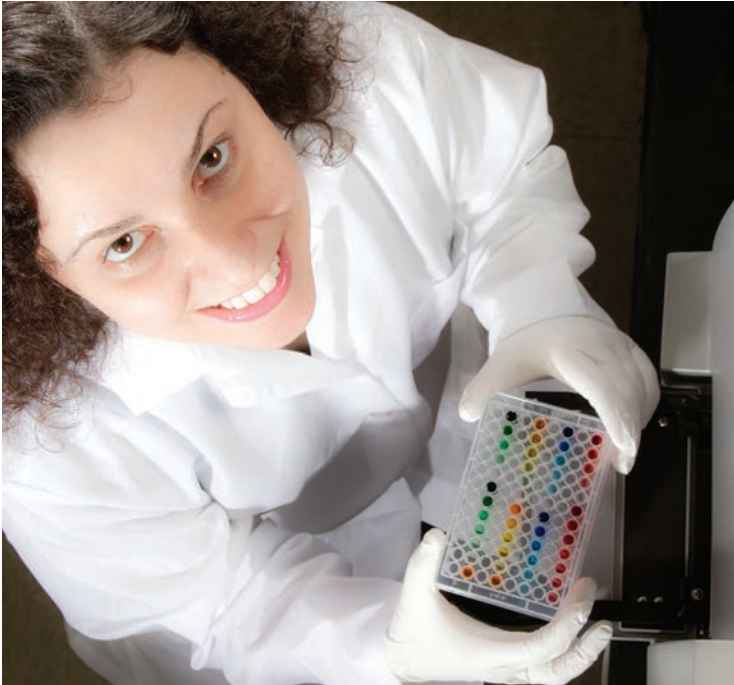
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*ENGINEERING BRIGHTER, HEALTHIER HORIZONS*

## ENVIRONMENTAL ENGINEERING AT THE UNIVERSITY OF HOUSTON

The University of Houston's environmental engineering program is a multidisciplinary effort combining science and engineering principles to improve the natural environment, reduce pollution, provide clean water, and improve air and land quality for human habitation and other organisms.

The environmental engineering graduate program is internationally recognized for research and teaching in water, wastewater, soil and hazardous waste treatment and modeling, airborne particulates, microbiology and bioremediation. The emphasis of study and research is placed on municipal and industrial water and wastewater treatment, water reuse, hazardous-waste management, and groundwater restoration with elective courses in the fields of air pollution modeling, measurement and control, engineering management, business and public policy, environmental law, water resources engineering, chemical engineering, chemistry, biochemistry and geosciences.





## FACULTY EXPERTISE

Our award-winning faculty are constantly performing cutting-edge research, and are always seeking hard-working graduate researchers to join them in their labs.

Available research areas in the Civil and Environmental Engineering Department include environmental studies, geosensing, geotechnics and materials, hydrosystems, infrastructure and mechanics.

To view a full list of faculty by research area, please visit: [www.cive.uh.edu/research/faculty-expertise](http://www.cive.uh.edu/research/faculty-expertise)

## FACILITIES & LABORATORIES

Located in Engineering Buildings 1 and 2, Durga D. & Sushila Agarwal Engineering Research Building (AERB), Science Engineering Research Center (SERC), South Park Annex, and Technology Bridge, our faculty have built state-of-the-art research laboratories. Some of our noteworthy research facilities and laboratories include:

- Thomas Hsu Structural Research Laboratory
- UH Hydraulics Laboratory
- Environmental Fluid Mechanics Lab
- Computational and Applied Mechanics Laboratory
- Shaffer Lab (Dr. Devin Shaffer - NSF CAREER Award winner 2021)

Learn more at: [www.cive.uh.edu/research/facilities-laboratories](http://www.cive.uh.edu/research/facilities-laboratories)

## CENTERS & CONSORTIA

Collaborations with industry and both internal to UH and Engineering and external research enterprises is a tenet of our Department. The faculty lead and participate in the following centers and consortia:

- National Center for Airborne Laser Mapping (NCALM)
- Hurricane Resilience Research Institute (HuRRI)
- Center for Innovative Grouting Materials and Technology (CIGMAT)
- Severe Storm Prediction, Education & Evacuation from Disasters (SSPEED)
- UH Coastal Center

## GRADUATE DEGREES OFFERED

The UH Cullen College of Engineering offers M.S. non-thesis, M.S. thesis and Ph.D. degrees in environmental engineering.

## RESEARCH ENTERPRISE

The faculty in the Department of Civil and Environmental Engineering at the University of Houston have expertise in environmental engineering, geosensing, geotechnical and materials engineering, structural engineering as well as water resources and fluid mechanics.

Graduate students have the chance to study and perform research in some of the best-equipped laboratories in the United States and be advised by professors of international reputation.

The majority of the research performed at the University of Houston, and in most large universities, is funded by outside agencies, such as the National Science Foundation, Texas Department of Transportation, U.S. Environmental Protection Agency, Water Environment Research Foundation, American Water Works Research Foundation, Gulf Coast Hazardous Substance Research Center, the City of Houston, Texas Higher Education Coordinating Board, Texas Natural Resources Conservation Commission, the American Petroleum Institute, and the Minerals Management Service. Projects have also been funded from industrial sources such as Montgomery Watson America's Inc., Exxon, and many others.



## FOR MORE INFORMATION

For more information on eligibility and admissions requirements, please visit [www.cive.uh.edu/programs/environmental-graduate](http://www.cive.uh.edu/programs/environmental-graduate)