



TEXAS A&M UNIVERSITY

Zachry Department of
Civil & Environmental Engineering

2021-22 FACT SHEET



Civil and environmental engineers are world-changers — making the world safer, more productive and more enjoyable. The Zachry Department of Civil and Environmental Engineering develops creative and innovative thinkers. Our faculty and students are involved in research that changes the built and natural world. We address aging infrastructure, climate change, clean water and natural disasters. We enhance the resilience of communities and examine supply chain processes. We conduct innovative research that benefits the public good.

ENROLLMENT

(Fall 2021 – Texas A&M Data and Research Services)

UNDERGRADUATE (excluding freshmen)	818
MASTER'S	224
DOCTORAL	193

DEGREES AWARDED

(AY 2020-21)

BACHELOR'S	236
MASTER'S	108
DOCTORAL	27

FACULTY

Total Faculty	74
Professors	33
Associate Professors	13
Assistant Professors	7
Academic Professional Track	21

RANKINGS

(U.S. News & World Report, Public)

7th Undergraduate (2023)
9th Graduate (2023)



CENTERS & LABORATORIES

Construction, Geotechnical and Structural Engineering Laboratories

- Construction Materials Laboratory
- Electrochemistry Laboratory
- Geotechnical Research Laboratory
- Geotechnical Undergraduate Laboratory
- Sensors Laboratory

Transportation and Materials Laboratories

- Advanced Characterization of Infrastructure Laboratory
- Materials Laboratory
- Construction Materials Laboratory
- Materials Science Laboratory

Environmental and Water Resources and Coastal Engineering Center/Laboratories

- Biological Processes Laboratory
- Chemical Processes Laboratory
- Environmental Fluid Dynamics Laboratory
- Environmental Fluids Laboratory
- Environmental Laboratory
- Offshore Technology Research Center (TEES)

Collaborative Texas A&M Transportation Institute/Civil Engineering Centers/Laboratories

- Center for Infrastructure Renewal
- Center for Transportation Safety
- Center on Tolling Research
- Highway Materials Laboratory
- International Center for Aggregates Research

RESEARCH AREAS

Coastal Engineering

- Dredging technology
- Beach nourishment
- Coastal structures
- Wave dynamics

Construction Engineering & Management

- Construction materials
- Construction planning and field operations
- Project development and financing
- Risk management and decision analysis

Environmental Engineering

- Aerosol sources and composition
- Hazardous wastes/remediation
- Renewable energy and products
- Water/wastewater

Geotechnical Engineering

- Earthquake-susceptible soils
- Expansive soils and intelligent compaction
- Scour
- Seafloor interactions with steel catenary risers

Materials Engineering

- Asphaltic and concrete pavements
- Computational modeling of new, recycled and existing materials
- Corrosion within structures
- Fracture and damage mechanics

Structural Engineering

- Building, transportation and offshore structures
- Fatigue and fracture
- Seismic and wind performance
- Smart materials and structures

Transportation Engineering

- Automated vehicles
- Intelligent transportation systems
- Transit systems
- Transportation safety, economics and operations

Water Resources Engineering

- Groundwater
- Hydraulics
- Sustainability
- Water resources planning and management



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