

CIVIL ENGINEERING

Environmental Engineering Specialization

Why pursue a master's degree in CIVIL ENGINEERING with a specialization in ENVIRONMENTAL ENGINEERING at The University of Texas at Arlington?

Graduate students pursuing a master's degree in civil engineering at UTA may choose to specialize in environmental engineering. UTA's environmental engineering specialization curriculum covers water quality modeling and control, water supply and wastewater treatment, air pollution modeling and control, and solid and hazardous waste management.

Environmental engineers in the Dallas-Fort Worth area earn an average salary of **\$96,670**, with **top salaries nearing \$130,000**. Courses in the specialization track are offered both **in-class** and **online**, making it easy for working professionals to complete the degree around their schedules.

CORE COURSES

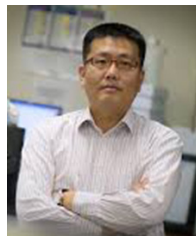
CE 5318	Physical-Chemical Processes I
CE 5319	Physical-Chemical Processes II
CE 5325	Biological Processes Processes
CE 5326	Water & Wastewater Treatment Facilities Design

ELECTIVE COURSE GROUP A

CE 5317	Env. Engineering Processes and Analysis – Lab
CE 5322	Advanced Physical-Chemical Processes
CE 5328	Fundamentals of Air Pollution
CE 5329	Environmental Risk-Based Corrective Action
CE 5358	Solid and Hazardous Waste Management
CE 5392	Special Topics in Air Pollution
CE 5393	Environmental Organic Chemistry

ELECTIVE COURSE GROUP B

CE 4328	Water Systems Design
CE 5346	Open Channel Flow
CE 5347	Advanced Hydrology
CE 5348	Groundwater Hydrology
CE 5349	Advanced GIS and Hydrologic and Hydraulic Modeling
CE 5354	Water Resources Planning
CE 5356	Surface Water Quality Modeling
CE 5353	Advanced Hydraulics
CE 5357	Hydrologic Techniques
CE 5358	Groundwater Contaminant Modeling
CE 5373	Environmental Geotechnology
CE 5375	Geotechnical Aspects of Landfills
EVSE 5320	Toxicology
GEOL 5365	Mathematical Modeling of Env. Quality Systems
IE 5318	Advanced Engineering Statistics



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Master of Science

Core Courses: 12 semester hours are required from the core courses list.

Elective Courses: Two elective courses must be taken from Group A (shown at left). CE 5317 Environmental Engineering Processes and Analysis – Laboratory is highly recommended. In addition, two more elective courses are required and may be taken from either Group A or Group B.

Course selection must result in a cohesive program that supports the thesis and must be approved by the student's supervising committee.

Thesis: Once the student is enrolled in the thesis course(s), continuous enrollment is required. The student must be enrolled in six hours of thesis during the semester the student finishes the thesis requirements and files for graduation.

Master of Engineering

Core Courses: 12 semester hours are required from the core courses list.

Elective Courses: Four elective courses must be taken from Group A (shown at left), and two more must be taken from Group B. Course selection must result in a cohesive program that supports the major area and must be approved by the student's supervising committee.

Final degree requirements vary depending upon a student's background and experience. The student's supervising committee establishes each individual's final degree requirements.

Learn More

For more information about the environmental engineering area of specialization, visit our website at uta.edu/ce or contact Dr. Gautam Eapi.

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Learn more and apply at uta.edu/ce