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

**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. Gautum Eapi.

Gautum Eapi, Ph.D.
817-272-2201
gautum.eapi@uta.edu

Learn more and apply at uta.edu/ce