

# CHEMICAL ENGINEERING: ENVIRONMENTAL, B.S.CH.E.



## DEPARTMENT OF CHEMICAL ENGINEERING

### What is an Environmental Engineer?

Environmental engineers seek solutions to environmental challenges combining sciences, such as chemistry and biology, with engineering principles to develop and implement better infrastructure, technology, and industrial operations that reduce the risk of environmental contamination. Environmental engineer work includes industrial processes, water and wastewater treatment, and air pollution control with job opportunities in industries, engineering consulting firms, and government agencies.

### What is Unique about UTC Chemical Environmental Engineering Training?

- Hands-on experience through research training and experiential learning
- Emphasizes learning through real-life problem solving opportunities with industries
- Cultivates multidisciplinary approach to engineering thinking and innovation
- Great laboratory facilities
- Small class sizes—easy to access professors
- Offers a wide range of elective options
- Proximity to many chemical industries for internship, co-op and job opportunities

SCAN TO LEARN MORE



◀ What classes will I take?



◀ What can I do with this major?



◀ What research is happening?



### Math requirements

Calculus I, II and III; Discrete Math; Linear Algebra; Differential Equations; Statistics for Engineering

### Areas of Study


- ✓ Engineering Sustainability
- ✓ Circular Economy
- ✓ Waste and Wastewater Treatment
- ✓ Air and Water Pollution Control
- ✓ Biochemistry
- ✓ Environmental Data Science
- ✓ Green Engineering
- ✓ Policy and Regulations

### CHEMICAL ENVIRONMENTAL ENGINEER RELATED JOB TITLES

Air Quality Instrument Specialist, Engineer, Environmental Engineering Assistant, Environmental Engineering Professional, Environmental Field Technician, Environmental Analyst, Haz Tech (Hazardous Technician)

**Bureau of Labor Statistics Job Outlook: 2024 Median Pay: \$92,120/year—Projected Growth (2020-2030): +4%**

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**Chemical Engineering**  
[utc.edu/chemicalengineering](https://utc.edu/chemicalengineering)

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