

Environmental engineers develop innovative solutions to address environmental challenges and emerging issues related to water supply, climate change, new energy resources, and sustainability.



Environmental engineers design systems to both safeguard and improve the quality of the environment. By utilizing a combination of scientific and engineering principles, environmental engineers work to protect the world and its people from negative environmental impacts caused by natural and human activities. The work of environmental engineers is increasingly important, as healthy environments are critical for livable, sustainable, and equitable communities and cities.

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### **What problems are environmental engineers trying to solve?**

- Environmental engineers focus on protecting and preserving the environment through water quality research, air pollution control, wastewater management and more.
- Environmental engineers design increasingly efficient and selective methods to remove contaminants from air, water, soils, and sediments, and decrease the amount and adverse effects of wastes.
- Environmental engineers design solutions to better utilize water, air and soil resources to maintain a sustainable environment.

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### **Opportunities in Environmental Engineering**

- More than 80% of our students obtain an internship before they graduate.
- ENVE students participate in research projects in air resources, environmental systems, hydrology, hydrodynamics and water quality engineering.
- Each year the CEE department awards more than \$400,000 in scholarships to its own students.

## WHERE DO ENVIRONMENTAL ENGINEERING ALUMNI WORK?



### Air and space

Air quality engineering	Geosyntec
Air pollution control	Boeing
Air dispersion modeling	SpaceX
	ARUP

### Computing, data and digital technologies

Mathematical modeling	Amazon	Zillow
Data analysis	Google	Thornton Tomasetti
	Uber	

### Environment, sustainability and energy

Climate change/adaptation	Parametrix	Anchor QEA
Renewable energy	Seattle Public Utilities	AESI
Water treatment	TRC Companies	
Sustainability	UNICEF	
Environmental chemistry	Army Corps of Engineers	
Hydropower	Northwest Hydraulic	

### Health and medicine

Drinking water treatment	Puget Sound Clean Air Agency
Air pollution control	Aspect Consulting
	Clark Construction

### Infrastructure, transportation and society

Air and water quality facilities	Jacobs	Stacy Witbeck
Site remediation	WSP	Perteet
Sustainability	HDR	Sound Transit
Habitat restoration	GeoEngineers	Walsh Group
Project management	KPFF	WSDOT
	Magnusson Klemencic	AESI
	Kiewit	Anchor QEA

### Robotics and manufacturing

Construction materials	Traylor Brothers
Tunneling	Kiewit
3D printing	Clark Construction
Autonomous vehicles/robots	WSDOT

### ENVEs enjoy careers in:

- General Environmental Engineering
- Hazardous Waste Management
- Hydropower
- Land-Use Planning
- Public Utilities
- Solid Waste Management
- Stream Restoration
- Surface Hydrology
- Water Resource Management
- Water Supply and Wastewater Engineering
- And much, much more!

### QUICK FACTS

The ABET accredited ENVE program prepares students for the Fundamentals of Engineering Exam (FE Exam) to obtain their Engineering in Training License (EIT).

The CEE Department offers a department- dedicated annual career fair that connects students with over 80 employers.

The ENVE program's cohort model helps contribute to CEE's tight-knit culture and extensive collaboration.

### LEARN MORE:

**Join a CEE student organization:** CEE has over 15 active registered student organizations.

**Study abroad:** Civil engineering students participate in study abroad programs to Rome, India, and more!

**Get involved in research:** CEE faculty do groundbreaking research in a variety of areas and are always happy to hear from interested undergraduates.

**Contact our advising staff:** We can help you find your fit in environmental engineering! Email [ceadvice@uw.edu](mailto:ceadvice@uw.edu) to set up an advising appointment

