



ENVIRONMENTAL ENGINEERING

ENVIRONMENTAL ENGINEERS DEVELOP INNOVATIVE SOLUTIONS TO ADDRESS ENVIRONMENTAL CHALLENGES AND EMERGING ISSUES RELATED TO WATER SUPPLY, CLIMATE CHANGE, NEW ENERGY RESOURCES AND SUSTAINABILITY.

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.

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!

WHAT DO ENVIRONMENTAL ENGINEERS DO?

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 both natural and human activities. The work of environmental engineers is increasingly important, as healthy environments are critical for enabling livable, sustainable, equitable communities and cities.

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, contaminated 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.



WHERE DO CEE ALUMNI WORK?

Air and space

Air quality engineering, air pollution control, air dispersion modeling | Geosyntec, Boeing, SpaceX, Department of Defense

Computing, data and digital technologies

Mathematical modeling, data analysis | Amazon, Google, Uber, Zillow, Thornton Tomesetti

Environment, sustainability and energy

Climate change/adaptation, renewable energy, water treatment, sustainability, environmental chemistry, hydropower | AESI, Anchor QEA, Army Corps of Engineers, Northwest Hydraulic Consultants, Parametrix, Seattle Public Utilities, TRC Companies, UNICEF, Anchor QEA, AESI

Health and medicine

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

Infrastructure, transportation and society

Air and water quality facilities, site remediation, sustainability, habitat restoration, project management | Jacobs, WSP, HDR, GeoEngineers, KPFF, Magnusson Klemencic, Kiewit, Stacy and Witbeck, Perteet, Sound Transit, Walsh Group, WSDOT, AESI, Anchor QEA

Robotics and manufacturing

Construction materials, tunneling, 3D printing, autonomous vehicles/robots | Lane Construction, Traylor Brothers, Kiewit, Clark Construction, WSDOT



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.

HOW CAN I 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, Jordan and India!
- **Attend a CEE Dept event:** Keep your eyes open for invites to dept mixers, the CEE Career Fair and more!
- **Attend a workshop:** ENGR 202 has a workshop run by CEE professor David Shean.
- **Contact our advising staff:** We can help you find your fit in environmental engineering! Email ceadvice@uw.edu to set up an advising appointment today!

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University of Washington Civil and Environmental Engineering