



Environmental Engineering

Environmental engineers find solutions to the world's largest problems. With rapid population growth, urbanization, and climate change, our world is facing challenges to ensure environmental and human systems thrive. They work to provide clean drinking water, sanitation, improve air quality, and remediate polluted sites.

Where do Environmental Engineers Work?

Environmental engineers work in a variety of organizations, including:

- public utilities
- oil and gas production firms
- construction companies
- consulting firms
- local, federal or international governing bodies
- environmental non-profit organizations

Explore Our Environmental Curriculum

Grades 3-5:

Modeling Oil on the Ocean:...
Biodomes Engineering Design Project: Lessons 2-6
Clean Enough to Drink:...

Grades 6-8:

Small-Scale Modeling of Oil Spill Cleanup Methods
Microbes Know How to Work!
Just Breathe Green: Measuring Transpiration Rates

Grades 9-12:

Creating Mini Wastewater Treatment Plants
Zero-Energy Housing
Save a Life, Clean Some Water!

Environmental engineering spans many disciplines, but is generally broken into a few subfields:

math, physics, chemistry, along with understanding of environmental sciences such as biology, water chemistry, hydrology and atmospheric science.

What do Environmental Engineers Study?

Environmental engineers learn about how contaminants move through different ecosystems, how to design for sustainability, and the importance of life cycle assessment. Environmental engineers gain expertise in how to design water and wastewater treatment systems, how to reduce air pollution and how to remediate sites impacted by hazardous materials.