Environmental Resources Engineering

Program Overview

Humboldt State University offers one of the largest and oldest accredited undergraduate environmental engineering programs in the United States. Since 1981, the Environmental Resources Engineering program at Humboldt State University has been accredited by the Engineering Accreditation Commission of ABET, abet.org.

In the workplace, environmental engineers make a median salary of about $87,000 as described by the Bureau of Labor Statistics. HSU's ERE graduates are sought after by many employers, particularly engineering consulting firms, state and federal resource agencies, and utilities. Many are self-employed as consulting engineers. Our graduates are also very successful when they attend graduate school.

As an ERE student, you will learn to apply fundamental science and engineering principles to solve complex environmental resource management problems. Four resource areas are addressed in our curriculum: water, air, land, and energy. Specific topics include water treatment, water resources planning, groundwater hydrology, renewable energy development, energy efficiency analysis, electricity system design, soil remediation, ecological restoration, solid waste management, environmental fluid mechanics, river hydraulics, constructed wetlands design, and wastewater treatment and reuse. An interdisciplinary approach prepares students to understand and solve problems and to consider the trade-offs among social, economic, and ethical objectives.

Humboldt’s ERE program will afford you the opportunity to visit and study at:
- the Arcata Marsh and Wildlife Sanctuary, renowned for its natural wastewater treatment processes
- the Schatz Energy Research Center, which promotes use of clean and renewable energy, schatzlab.org
- the Campus Center for Appropriate Technology, a student-run demonstration home for sustainable living, ccat.humboldt.edu

Associated Student Clubs include:
- Environmental Resources Engineering Student Association (ERESA)
- American Society of Civil Engineers (ASCE)
- Society of Women Engineers (SWE)
- Renewable Energy Student Union (RESU)
- Engineers Without Borders (EWB)
- Society of Hispanic Professional Engineers (SHPE)

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Bachelor of Science

Master of Science

Environmental Systems
Options available in:
Environmental Resources Engineering
Energy Technology & Policy

Related Careers

Air Pollution Engineer
Consulting Engineer
Design Engineer
Ecological Engineer
Energy Management Engineer
Environmental Engineer
Fisheries Engineer
Geo-Environmental Engineer
Hazardous Substance Engineer
Hazardous Waste Engineer
Hydraulic Engineer
Hydrometric Engineer
Hydrologist
Process Engineer
Project Manager
Public Health Engineer
Public Works Engineer
Renewable Energy Systems Engineer
Research Engineer
Resource Modeler
Resource Planner
Sanitary Engineer
Solid Waste Engineer
Systems Engineer
Utility District Engineer
Water Resources Engineer
Water Quality Engineer

Some of the careers listed may require additional or specialized coursework.

For more information

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