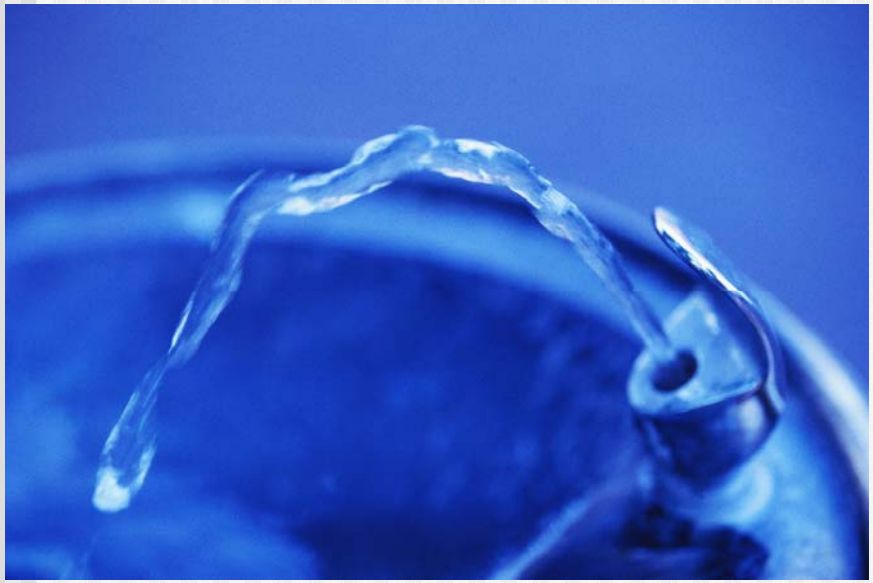
Environmental Engineering
Mercer University

Dr. Richard O. Mines, Jr., P.E.
Professor and Program Director
116-D Environmental Engineering

Environmental Engineering

A people serving engineering profession



Environmental Engineering

- The main goal of environmental engineering is to protect the health and well being of the public. We are a people-serving engineering profession dedicated to minimizing the impact of pollution on the environment.
- Environmental engineers are stewards of the environment. We belong to professional societies such as the American Society of Civil Engineers, American Water Works Association, and Water Environment Federation.

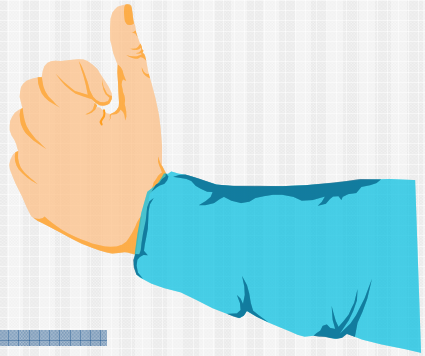
Environmental Engineering Subspecialties

- Air Pollution Control and Modeling
- Aquatic Chemistry
- Bioremediation
- Green Engineering and Sustainability
- Groundwater and Surface Water Hydrology
- Hazardous Waste
- Hydraulic Engineering
- Solid-Waste Collection, Handling, Recycling and Disposal
- Wastewater Collection and Treatment
- Water Treatment and Distribution

Is Environmental Engineering Right for Me?

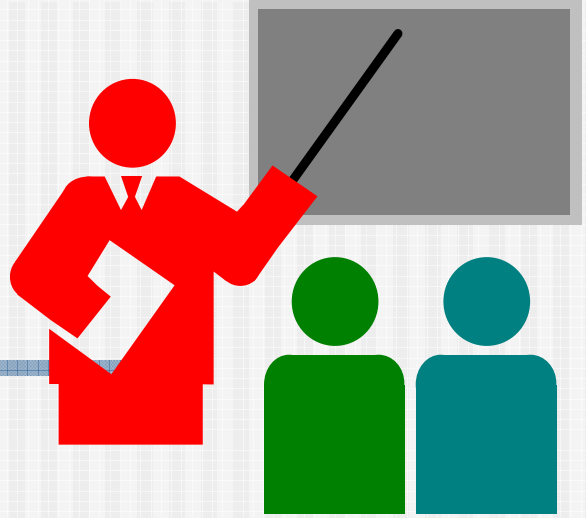
1. Strong background in math and science.
2. Must like chemistry and biology.
3. Work on multi-disciplinary teams.
4. Most jobs require field work along with laboratory analyses.
5. Must be a good communicator, both in the written and spoken word.

Advantages



- Program Fully accredited by ABET
- Small Classes
- Exciting and challenging curriculum
- Structured learning environment
- Environmental engineering classes are taught by Professors that have all won teaching awards

Faculty Qualifications



- Four faculty members
- Two are Professional Engineers
- All have doctorates in engineering
- All have research and/or industrial experience in environmental engineering
- All have won teaching awards

EVE Faculty

- **Dr. Richard O. Mines, Jr.,** P.E. – Hydraulics, Natural Treatment Systems, Residuals Treatment, Water Treatment, and Wastewater Treatment.
- **Dr. Laura W. Lackey**, P.E. – Bioremediation, Air Pollution Control & Environmental Laboratory.
- **Dr. Phillip T. McCreanor**, EIT – Ground Water & Surface Water Hydrology, Hydraulics, Solid Waste Management.
- **Dr. Andre' Butler**, EIT – Atmospheric Chemistry, Public Health, & Environmental Statistics.

Future Employment Opportunities

- Environmental engineers will play a major role in the rebuilding of the infrastructure.
- The ASCE 2005 Infrastructure Report Card gives a:
  - D rating for our drinking water and wastewater treatment systems,
  - D for hazardous waste, and
  - C+ for solid waste.

Advantages of Mercer Environmental Engineering Program

- ABET and SACS accredited program.
- Small class size.
- All classes and laboratories are taught by professors, not graduate students.
- Broad-based general engineering core curriculum.
- In-depth environmental engineering curriculum covering all aspects of the environment.

Employment Outlook

The US Department of Labor projects an increase of 36% or more in the number of environmental engineering jobs during the next decade.

Employment Opportunities

- Consulting firms and private practice
- Regulatory Agencies (*EPA, GA EPD, FL DEP*)
- Research
- Teaching
- Military (*U.S. Army Corps of Engineers, U.S. Air Force Bioenvironmental Engineering)*.

Graduate Schools

- Virginia Tech
- Georgia Tech
- UT Chattanooga
- Chalmers University of Technology
- University of Texas
- University of Tokyo

Other Career Fields for Environmental Engineers

- Business School (*MBA*)
- Law School
- Medical School
- Public Health

Contact Information

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