The Ph.D. in Environmental Science and Engineering (ESE) is an interdisciplinary program, coordinated through the Center for Environmental Resource Management (CERM) at the University of Texas at El Paso. The program prepares scientists and engineers for real world careers that address environmental issues. Graduates will be able to apply a cross-disciplinary perspective to the understanding, management and remediation of the human impacts on the environment.

**Program Overview**

The ESE Ph.D. program is designed for individuals who hold environmentally related Master’s degrees in engineering or the natural sciences. The program provides an in-depth treatment of the current technologies for environmental protection and remediation, in addition to the fundamental concepts of environmental biology, ecology, geology, chemistry, and civil engineering. The program also emphasizes environmental law, policy and ethics to provide graduates an understanding of the social and political context surrounding environmental issues. Students work together on interdisciplinary projects designed to develop an understanding of the interrelationship of various disciplines in addressing environmental issues.

The curriculum and research focus on those problems that face the U.S.-Mexico border region and similar settings throughout the world. A doctoral dissertation is required, one which presents an original investigation of a significant problem in environmental science and engineering. More information on the program is located at: http://rorykate.ce.utep.edu

**Degree Requirements**

Specific course requirements for each student will be determined by the student’s Doctoral Advisory Committee; however, each student must complete at least 60 semester hours beyond the Master’s degree. At least 30 semester hours will be organized course work. Enrollment in research and dissertation courses will complete the remainder of the 60 semester hours.

**Faculty**

A total of 38 faculty members from the departments of Biological Sciences, Health Sciences, Geological Sciences, Chemistry, Physics, Political Science, Civil Engineering, Mechanical and Industrial Engineering, Metallurgical and Materials Engineering, and Electrical Engineering participate in the ESE Program.

**Admission Requirements**

A prospective candidate must demonstrate or provide:

- Master’s degree in an environmentally related area of engineering or the natural sciences
- Superior graduate record
- Two letters of reference
- Graduate Record Examination and Test of English as a Foreign Language (foreign students)

Prospective candidates must submit a complete application to the Graduate School: http://www.utep.edu/graduate
An interdisciplinary program combining Environmental Science and Engineering, located on the US/Mexico Border.

Financial Aid

A variety of sources of financial aid are available including fellowships, research assistantships and teaching assistantships.

CERM

The Center for Environmental Resource Management (CERM) provides university-wide leadership and coordination for teaching, policy, research, and service activities that focus on environmental issues. Its mission is to address the mounting environmental problems that threaten the health, safety, well-being, and economic development of the Southwest border region of the United States. CERM focuses university resources to address hazardous waste, air quality, water availability and quality, and ecological and policy issues through an active program of research, development, technology transfer, and public education. The Environmental Science and Engineering Ph.D. Program is housed at, and administered by, CERM.

Location

The University of Texas at El Paso (UTEP) presents both an extraordinary setting and excellent capabilities for the multi-disciplinary doctoral program in Environmental Science and Engineering. UTEP is located on the US-Mexico border in one of the most environmentally impacted areas in North America.

Contact

John Walton, Ph.D., P.E.
Environmental Science and Engineering
University of Texas at El Paso
El Paso, Texas 79968
Phone: 915-747-8699
E-mail: walton@utep.edu
WWW: http://rorykate.ce.utep.edu

Environmental Science and Engineering Ph.D. Program

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