

# ENVIRONMENTAL SCIENCE (ENVR)

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**ENVR 1101. Environmental Science Lab. 1 Hour.**

**ENVR 1301. Environmental Science. 3 Hours.**

**ENVR 3305. Legal Aspects Of Pollution Control. 3 Hours.**

A study comparing various state and federal laws with particular emphasis on the State of Texas statutes will be conducted. Nature of evidence for prosecution under these laws will be considered. Fall.

**Prerequisite:** BIOL 1401, and CHEM 2401.

**ENVR 3310. Environmental Sanitation. 3 Hours.**

A study of topics relating to public health and sanitation. The causative agents of human diseases of public health importance are characterized, and present knowledge of prevention and control of these diseases is reviewed. Two-hour laboratory. Odd year, Fall. of Chemistry.

**Prerequisite:** BIOL 1311, BIOL 1111, BIOL 1313, BIOL 1113, BIOL 2420 OR BIOL 3470, and 8 hrs.

**ENVR 3320. Solid Wastes And Recycling. 3 Hours.**

A study of solid wastes and recycling pertaining to sources, storage, processing, economics, and legal issues involved. Physical and chemical components of wastes and waste processing and their environmental effects will be stressed. Odd year, Spring.

**Prerequisite:** BIOL 1311, BIOL 1111, BIOL 1313, BIOL 1113, BIOL 2420 or BIOL 3470, ENVR 3305, GEOL 1303, GEOL 1103, and CHEM 2401 and Junior standing.

**ENVR 3330. Industrial Hygiene. 3 Hours.**

A study of industrial hygiene and occupational health and safety. This course will present the basics of industrial hygiene and work place monitoring. Emphasis will be on fundamentals of work place hazard recognition, techniques of evaluation, and methods of control. Even year, Spring.

**Prerequisite:** BIOL 1311, BIOL 1111, BIOL 1313, BIOL 1113, CHEM 2401, and PHYS 1301, PHYS 1101, PHYS 1302, PHYS 1102.

**ENVR 3430. Water Supply and Waste Water Distribution. 4 Hours.**

Water supply, development, treatment and distribution; waste water collection and treatment; water purification and reuse; and the chemistry and ecology of aquatic systems are studied. Two-hour laboratory. Fall.

**Prerequisite:** BIOL 1301, BIOL 1101, CHEM 2401, and MATH 1420.

**ENVR 4095. Special Topics in Environmental Science. 1-3 Hours.**

Individual study in specialized areas of Environment Science. To be directed and approved by the Environmental Science advisor. Variable Credit (1-3).

**ENVR 4110. Undergraduate Seminar. 1 Hour.**

Student discussions of current scientific literature in environmental science. Required of environmental science majors. Fall, Spring.

**Prerequisite:** Senior standing.

**ENVR 4111. Undergraduate Seminar. 1 Hour.**

Student discussions of current scientific literature in environmental science. Required of environmental science majors. Fall, Spring.

**Prerequisite:** Senior standing.

**ENVR 4305. Hazardous Waste Management. 3 Hours.**

This course deals with the technical and regulatory aspects of handling and disposing of toxic and hazardous wastes based on recently mandated legislation procedures. This course will educate current students in an area that is of major national concern and will update persons already working in the field of environmental science. Spring.

**Prerequisite:** CHEM 2401, BIOL 1401, GEOL 1403, and Junior standing.

**ENVR 4320. Environmental Toxicology. 3 Hours.**

(Also listed as BIOL 4320). This course presents basic toxicology as a qualitative and quantitative science of the effects of poisons (toxins) upon the environment, individuals, and populations. The course will also provide a comparison of the toxicology of human and other species' exposure to common environmental contaminants. Two one-hour lectures and one two-hour laboratory. Even year, Fall. CHEM, and Junior standing.

**Prerequisite:** BIOL 1311, BIOL 1111, BIOL 1313, BIOL 1113, and BIOL 2420 or BIOL 3470; MATH 3379 or BIOL 4374; 8 hrs.

**ENVR 4361. Environmental Science Field Experience. 3 Hours.**

A supervised off-campus intern work experience in an approved area of Environmental Science with industry, business, or government. This course provides the student with direct professional work experience with industry or governmental entity. Academic credit is based on a written technical report and an oral presentation. Summer. of advanced Environmental Science and approval of instructor.

**Prerequisite:** 6 hrs.

**ENVR 4405. Air Quality. 4 Hours.**