

# ENVIRONMENTAL HEALTH AND SAFETY (EVHS)

## EVHS 10001 ENVIRONMENTAL TECHNOLOGY I 3 Credit Hours

Survey course in environmental technology, including health and safety, history, environmental compliance and related issues.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## EVHS 10004 TOXICOLOGY 3 Credit Hours

Examination of the terminology and classification of poisons that affect humans. Includes poison sources, modes of exposure, health effects and control measures.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## EVHS 10010 INDUSTRIAL HYGIENE I 4 Credit Hours

In-depth study of safety methods and procedures with lab for identifying, monitoring, handling, containing and disposing of hazardous substances and hazardous conditions in the workplace.

**Prerequisite:** EVHS 10004.

**Schedule Type:** Lecture

**Contact Hours:** 4 lecture

**Grade Mode:** Standard Letter

## EVHS 20001 ENVIRONMENTAL LAW 3 Credit Hours

Emphasize civil, criminal and tort liability issues; procedural and constitutional requirements; and administrative codes, rules and regulations for fire, health, safety and environmental hazards.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## EVHS 20004 ENVIRONMENTAL HEALTH AND SAFETY I 3 Credit Hours

Examination of hazards assessment including organizational, environmental and disaster planning; health and safety inspection and reporting criteria; and first aid procedures.

**Prerequisite:** EVHS 10001.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## EVHS 20008 ENVIRONMENTAL SAFETY ADMINISTRATION 3 Credit Hours

Organization and operation of environmental safety unit; relationships with business governmental and community entities involved in environmental safety and hazards control.

**Prerequisite:** EVHS 10010.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## EVHS 20092 ENVIRONMENTAL TECHNOLOGY INTERNSHIP I (ELR) 3 Credit Hours

(Repeatable for credit) This on- or off campus experience gives students an opportunity to apply learned concepts in the classroom to practical environmental technology situations.

**Prerequisite:** EVHS 20008.

**Schedule Type:** Practical Experience

**Contact Hours:** 21 other

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

## EVHS 21010 INDUSTRIAL HYGIENE II 4 Credit Hours

Emphasis is placed on methodologies of gas, vapor, and aerosol sampling; including instrumentation function and calibration.

Measurement and evaluation of physical hazards including noise, heat stress, lighting and radiation hazards. Includes a major emphasis upon the types of problems and calculations likely to be found in general industry. Laboratory exercises and use of a case study to explore the methods of sampling.

**Prerequisite:** BSCI 10120; and CHEM 10052; and EVHS 10010.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture, 1 lab

**Grade Mode:** Standard Letter

## EVHS 21092 ENVIRONMENTAL TECHNOLOGY INTERNSHIP II (ELR) 3 Credit Hours

(Repeatable for credit) This on-or off-campus experience gives students an opportunity to apply learned concepts in the classroom to practical environmental technology situations.

**Prerequisite:** EVHS 20092; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 21 other

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

## EVHS 22095 SPECIAL TOPICS IN ENVIRONMENTAL HEALTH AND SAFETY 3 Credit Hours

(Repeatable for a total of 6 hours) Specialized instruction oriented primarily to application of current technology developed for the field of environmental technology. Course is repeatable as the specific topics will vary.

**Prerequisite:** Special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## EVHS 22096 INDIVIDUAL INVESTIGATION IN ENVIRONMENTAL HEALTH AND SAFETY 1-3 Credit Hours

(Repeatable for credit) Independent research of environmental technology topic supervised by an environmental technology faculty member.

**Prerequisite:** Special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

## EVHS 30002 ENVIRONMENTAL ISSUES II 3 Credit Hours

Current topics in environmental technology including climate change and alternate energy sources.

**Prerequisite:** EVHS 10001.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**EVHS 30020 HAZARDOUS WASTE OPERATIONS AND EMERGENCY RESPONSE 4 Credit Hours**

Study of hazardous waste operations and emergency response to release of hazardous materials in compliance with EPA and OSHA regulations (29CRF 1910.120).

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 4 lecture

**Grade Mode:** Standard Letter

**EVHS 40006 FIRE PREVENTION AND CONTROL 3 Credit Hours**

Conditions and properties conducive for combustible states and hazards; techniques and procedures for fire extinguishing and control; preventative strategies; fire codes and alarm systems.

**Prerequisite:** EVHS 10001.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter