

# ENVIRONMENTAL TECHNOLOGY (ENV)

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## **ENV110 Introduction Environmental Science** 3 credits (3 lec hrs/wk)

This course integrates the physical, life and social sciences under an overarching theme of sustainability to examine environmental issues and solutions. It incorporates a diverse set of topics including ecology, biodiversity, urban and regional planning, air and water pollution, energy supply and consumption, water resources, food production, solid waste, toxic substances, and human population. Critical thinking is promoted through student analysis and interpretation of environmental data and trends, and through student application of knowledge to new situations. This course may be taken 1 time for credit.

Course classification: LDC

## **ENV145 Environmental Sampling** 3 credits (2 lec, 3 lab hrs/wk)

A lecture and laboratory course designed to provide students with the knowledge and field experience in environmental sampling. This course will cover fundamentals of sampling for various environmental parameters including water, soils, riparian or other habitat and biota. Emphasis will be placed on the accurate collection of data with the use of common field and laboratory techniques used in environmental monitoring. Students will learn the importance of data management analysis and reporting. Offered every two (2) years.

This course may be taken 1 time for credit.

Course classification: LDC

## **ENV180 Internship: Environmental Tech** 1-12 credits (3 lab hrs/wk/cr)

Practical on-site experience that will allow students to explore workplace environments and career options

This course may be taken 12 times for credit.

Course classification: LDC

## **ENV235 Introduction to Soil Science** 4 credits (3 lec, 3 lab hrs/wk)

In this course, students learn about the chemical, physical, and biological nature of soils; the factors controlling soil development; what a soil name can tell about the environment; and, how land management decisions affect soil quality and its sustainability. Topics will include: The importance of soils, what soil is, how soil forms, how soils are described, physical properties of soils, soil water, soil chemistry, soil biology, and soil sustainability.

This course may be taken 1 time for credit.

Course classification: LDC

## **ENV280 CWE: Environmental** 1-12 credits (3 lab hrs/wk/cr)

Prerequisite(s): Instructor consent

The student is required to be employed in a full-time (paid or voluntary 40-hour week) environmental or environmentally-related position for an organization or company utilizing environmental principles methods techniques and/or skills.

This course may be taken 1 time for credit.

Course classification: CTE