

ENVIRONMENTAL HEALTH AND SAFETY STUDIES

Associate in Science

Career/Technical (Major Code: B1971)

The Environmental Health and Safety Studies program concentrates on safeguarding workers and the environment by focusing on physical, chemical, and biological hazards that can exist in facilities managing hazardous materials and waste. Students will learn to control workplace hazards, apply emergency response techniques, and gain knowledge in the areas of regulatory compliance, toxicology, pollution prevention, and the cleanup of contaminated air, water, and soil.

Program Student Learning Outcome

- Speak authoritatively and actively to present training information to others and then listen to their feedback to confirm the quality of training presented.

Code	Title	Units
Program Requirements		
EHMT 100	INTRODUCTION TO ENVIRONMENTAL TECHNOLOGY	4
CHEM 100	INTRODUCTION TO GENERAL CHEMISTRY	4
EHMT 150	WASTE MANAGEMENT APPLICATIONS	5
BIOL 140	ENVIRONMENTAL BIOLOGY	3
CHEM 110	ELEMENTARY ORGANIC AND BIOLOGICAL CHEMISTRY	4
EHMT 130	INTRODUCTION TO TOXICANTS	3
BIOL 190	HUMAN ANATOMY AND PHYSIOLOGY	4
EHMT 201	INTRODUCTION TO INDUSTRIAL HYGIENE AND OCCUPATIONAL HEALTH	4
EHMT 230	SAFETY AND EMERGENCY RESPONSE *	4
EHMT 240	INTRODUCTION TO BIOSAFETY	3
EHMT 260	OCCUPATIONAL SAFETY *	3
EHMT 261	OCCUPATIONAL SAFETY MANAGEMENT	3
EHMT 290	ENVIRONMENTAL TECHNOLOGY COOPERATIVE WORK EXPERIENCE I	2-4
Total Units		46-48

Code	Title	Units
Recommended Electives		
BIOL 265	GENERAL MICROBIOLOGY	4
BUS 120	INTRODUCTION TO BUSINESS	3
BUS 152	HUMAN RELATIONS IN ORGANIZATIONS	3
CIS 101	INTRODUCTION TO BUSINESS INFORMATION SYSTEMS	4
COMM 103	ORAL COMMUNICATION	3
GEOL 100	PRINCIPLES OF GEOLOGY	3
MATH 121	APPLIED CALCULUS I	3
GEOG 108	INTRODUCTION TO DRONE TECHNOLOGY AND APPLICATIONS	3

To earn an associate degree, additional general education and graduation requirements (<http://catalog.swccd.edu/certificates-certifications-degrees-csuuc-requirements/>) must be completed.

* A 40-hour HAZWOPER certification that meets OSHA requirements for 29 CFR 1910.120 is given upon the successful completion of EHMT 230.

A 30-hour OSHA supervisor certification for general industry is given upon successful completion of EHMT 260.