

Environmental Technology

ENVT 101 Introduction Environmental Health and Occupational Safety

3.0 units

Acceptable for credit: Transfer CSU

C-ID Course Number: N/A

An introduction to environmental and occupational laws, regulations, and methods, leading to the practical aspects of protecting the environment, maintaining the health and safety of individuals in the workplace while assuring sustainability. The course examines systematic approaches to preventing or reducing risks of harm through gathering information and drawing conclusions based on measurable evidence or data. Students are encouraged to concurrently enroll in ENVT 111. (Fall) (Letter Grade Only)

ENVT 111 Introduction to Environmental Health and Safety Laboratory

1.0 unit

Acceptable for credit: Transfer CSU

C-ID Course Number: n/a

Prerequisite: ENVT 101 - Introduction Environmental Health and Occupational Safety concurrent enrollment in ENVT 101.

This course is designed to provide supplemental exercises to topics covered in the Introduction to Environmental Health and Safety (ENVT 101). Lab will include population growth and impacts to natural resources, air pollution modeling, eutrophication, water quality, risk assessment and analysis. (Letter Grade Only)

ENVT 150 Hazardous Materials General Site Worker – 40 Hr.

2.0 units

Acceptable for credit: Transfer CSU

Designed to facilitate employer compliance with mandated federal and/or state HAZWOPER General Site Worker training requirements. (Spring) (Letter Grade Only)

ENVT 151 Hazardous Materials-Site Supervisor

1.0 unit

Acceptable for credit: Transfer CSU

Prerequisite: ENVT 150 - Hazardous Materials General Site Worker – 40 Hr. ; or Hazardous Waste Operations and Emergency Response (29CCR1910.120/8CCR5194) - 40 Hour training or equivalent as determined by the Coordinator, Environmental Health and Safety program. NOTE: Approval of equivalent enrollment eligibility is not a guarantee that state regulatory and licensing authorities will also grant equivalency for licensure or employment purposes. Specialized hazardous waste operations management training including employer's safety and health program, employee training programs, personal protective equipment program, spill containment program, and health hazard monitoring procedures and techniques (Title 8 CCR 5192). Advances the HAZWOPER-General Site Worker trained person to the Site Supervisor level. (Spring) (Letter Grade or Pass/No Pass)

ENVT 152 Identification and Assessment of Hazardous Materials

3.0 units

Acceptable for credit: Transfer CSU

C-ID Course Number: N/A

A comprehensive introduction to the nature of hazardous materials, includes the principles and mechanics of toxicology as applied to the environment and/or chemical properties and characteristics pertaining to hazardous materials. (Spring) (Letter Grade or Pass/No Pass)

ENVT 153 Industrial Safety

1.0 unit

Acceptable for credit: Transfer CSU

C-ID Course Number: N/A

Provides the skills necessary to recognize and prevent health hazards in the workplace. Topics include industrial ventilation, electrical safety, lock-out-tag-out, blood-borne pathogens, powered industrial trucks, and accidental "root cause" investigation. Overviews of OSHA "Injury and Illness Prevention Program" (IIPP), "Hazard Communication Program", and hazard assessment requirements are presented. (Fall) (Letter Grade or Pass/No Pass)

ENVT 154 Monitoring and Sampling

2.0 units

Acceptable for credit: Transfer CSU

C-ID Course Number: N/A

Hazardous substance monitoring and sampling training includes devices calibration requirements, data interpretation, and "chain of custody". Provides students with the practical knowledge to recognize and interpret chemical identification utilizing monitoring equipment and technical references. (Fall) (Letter Grade or Pass/No Pass)

ENVT 155 Respiratory Protection—Administration

0.5 units

Acceptable for credit: Transfer CSU

C-ID Course Number: N/A

Basic administrative principles and techniques for establishing and maintaining a respiratory protection program in accordance with 8 CCR 5144 and 29 CFR 1910.134. Students learn to critically analyze and determine appropriate respiratory protection and the associated sanitizing, inspection, and maintenance of respiratory protective equipment to develop and apply a respiratory protection program. (Fall) (Letter Grade or Pass/No Pass)

ENVT 156 First Response Operational

1.0 unit

Acceptable for credit: Transfer CSU

Repeatable: 30.00

C-ID Course Number: N/A

Designed to prepare the student to respond to a hazardous materials incident in a safe, defensive and competent manner within the existing resources and to prevent exposures to nearby persons, property and environments. Meets OSHA requirements under Title 8 CCR 5192 and 29 CFR 1910.120. (Fall, Spring) (Letter Grade or Pass/No Pass)

ENVT 157 First Aid for HAZMAT Workers**1.5 units**

Acceptable for credit: Transfer CSU

Prepares the student to recognize medical emergencies that could occur at work sites involving hazardous materials. Emphasizes basic first aid skills needed to medically support HAZMAT work activities and to treat injuries and illnesses until trained emergency response personnel arrive on the scene. (Fall) (Letter Grade or Pass/No Pass)

ENVT 158 Hazardous Waste Minimization and Emissions Reduction**1.0 unit**

Acceptable for credit: Transfer CSU

C-ID Course Number: N/A

Presents principles of waste reduction and cleaner production processes to reduce chemical and raw material losses, manufacturing costs, and waste generation. Provides students with practical techniques for initiating or expanding pollution prevention programs. (Spring) (Letter Grade or Pass/No Pass)

ENVT 159 Hazardous Materials and Hazardous Waste Permitting**1.0 unit**

Acceptable for credit: Transfer CSU

C-ID Course Number: N/A

Examination of laws, regulations and policies at federal, state, and local levels covering the proper management of hazardous substances from generation to disposal. Includes in-depth examination of state hazardous waste control law requirements on Certified Unified Program Agency (CUPA) regulations for facilities permitting and site management. (Fall) (Letter Grade or Pass/No Pass)

ENVT 160 Air and Water Pollution Permitting Compliance**2.0 units**

Acceptable for credit: Transfer CSU

C-ID Course Number: N/A

Presents fundamental principles of air and water pollution prevention. Emphasizes the systematic assessment methods of identifying discharges to air and water and the permitting processes that are designed to minimize air and water pollution. (Spring) (Letter Grade or Pass/No Pass)

ENVT 199 Special Topics in ENVT**0.5 - 2.5 units**

Acceptable for credit: Non-Transferable

This course satisfies local, state or federal requirements for updated and/or mandated training. Basic course or equivalent work experience as appropriate may be required for successful completion of this course. The variable format allows for flexibility of course content to meet specialized training needs and provides students with knowledge and skills for employment or continued employment in environmental health and safety sectors. Topics will be offered as necessary to maintain currency with environmental health and safety training standards. (Fall, Spring) (Letter Grade or Pass/No Pass)

ENVT 450 HAZWOPER - Refresher 8hr.**0.5 units**

Acceptable for credit: C - Credit - Not Degree Applicable

Repeatable: 35.00

C-ID Course Number: N/A

Designed to facilitate employer compliance with regulation (29CFR1910.1209(e)(8), 8CCR5192(e)(8)) requirements, for annual Hazardous Waste Operations and Emergency Response (HAZWOPER) general site worker training. (Spring) (Letter Grade or Pass/No Pass)

ENVT 454 Respiratory Protection/QNFT**0.5 units**

Acceptable for credit: C - Credit - Not Degree Applicable

A review of the general requirements of respiratory protection regulations, respirator use, limitations and care of respirators, and respirator quantitative fit testing. Designed to facilitate employer compliance with state and federal respiratory protection regulations. (Letter Grade or Pass/No Pass)

ENVT 455 Respirator QNFT/Train the Trainer**1.0 unit**

Acceptable for credit: C - Credit - Not Degree Applicable

Provides Occupational Safety Officers/Respiratory Protection Program Administrators with regulatory updates and skills necessary to conduct respirator quantitative fit testing (QNFT). Not open to students who are enrolled in or who have completed FT 359 Respirator QNFT/Train the Trainer. (Letter Grade or Pass/No Pass)

ENVT 456 FRO Refresher**0.5 units**

Acceptable for credit: C - Credit - Not Degree Applicable

Designed to facilitate employer compliance with mandated federal and/or state First Responder Operations (FRO) training requirements (29 CFR 1910.120 and 8CCR5192 subpart (q).) (Spring) (Letter Grade or Pass/No Pass)

ENVT 457 FRO Decontamination**0.5 units**

Acceptable for credit: C - Credit - Not Degree Applicable

A course designed to advance the first responder's awareness to decontamination procedures. (Fall, Spring) (Pass/No Pass)