

ENVIRONMENTAL TECH (EPCT)

EPCT 1301 Hazardous Waste Operations and Emergency Response (HAZWOPER) Training and Related Topics 3 Credits (3 Lec, 1 Lab)

This course covers minimum certification requirements in the Code of Federal Regulations (CFR) for a hazardous waste site worker as found in 29 CFR 1910.120 and 40 CFR 264.16. Students must make a grade of "C" or better in order to be eligible for HAZWOPER certification.

Prerequisite(s): EPCT 1307. Reading level 6, Writing level 6, Math level 6

Course Type: Technical

EPCT 1305 Environmental Regulations Overview 3 Credits (3 Lec, 0 Lab)

This course provides an introduction to the history of the environmental movement, including basic requirements for compliance with the environmental regulations.

Prerequisite(s): EPCT 1307; Reading level 6, Writing level 6, Math level 6

Course Type: Technical

EPCT 1307 Introduction to Environmental Safety and Health 3 Credits (3 Lec, 0 Lab)

This course provides a historic overview of environmental safety and health. Emphasis is on the use of occupational safety and health codes.

Course Type: Technical

EPCT 1311 Introduction to Environmental Science 3 Credits (3 Lec, 0 Lab)

This course provides an overview of environmental science and current global concerns, and a brief history of environmental ethics, resource use, and conservation. It includes a discussion of fundamental principles of resource economics and environmental health.

Prerequisite(s): EPCT 1307; Reading level 6, Writing level 6, Math level 6

Course Type: Technical

EPCT 1313 Contingency Planning 3 Credits (3 Lec, 0 Lab)

This course provides an introduction to the development of an emergency response contingency plan for a facility or community. Emphasis is on analyzing the hazards, writing and implementing the contingency plans, and evaluating the effectiveness of the contingency plan.

Prerequisite(s): EPCT 1307; Reading level 6, Writing level 6, Math level 6

Course Type: Technical

EPCT 1341 Principles of Industrial Hygiene 3 Credits (3 Lec, 0 Lab)

This course covers concepts in threshold limits, dose response, and general recognition of occupational hazards, including sampling statistics, calibration, and equipment use. It includes a study of the control of occupational hazards and sample collection and evaluation methods.

Prerequisite(s): EPCT 1307, CHEM 1311 and CHEM 1111, and MATH 1314; Reading level 6, Writing level 6

Course Type: Technical

EPCT 1349 Environmental Regulations Interpretation & Applications 3 Credits (3 Lec, 0 Lab)

This course is an in-depth study of the major federal and state environmental regulations.

Prerequisite(s): INTC 1348

Course Type: Technical

EPCT 2333 Environmental Toxicology 3 Credits (3 Lec, 0 Lab)

This course provides a review of the research determining the systematic health effects of exposures to chemical. It includes a discussion of risk factors, routes of entry, control measures, and acute and chronic effects.

Prerequisite(s): EPCT 1307, CHEM 1311 and CHEM 1111, and MATH 1314; Reading level 6, Writing level 6

Course Type: Technical