

Course Information Form (CIF)

Course Code: LBR 153

Course Title: Hazardous Waste

Department: Applied Sciences and Technologies

Effective Date: Summer 2026

PCS Code: 1.2 - Occupational/Technical Instruction

CIP Code: 15.0701

Repeatability: 0

Credit Hours

Catalog Notation: 3-3-4

Credit Hour Distribution:

Lecture: 3

Lab: 3

Clinical: 0

Total: 4

General Course Information

Catalog Description

Hazardous waste training for the laborers apprentice.

General Course Objectives

Students will know how to safely work with hazardous waste.

Minimum Placement Levels

English

None

Reading

None

Math

None

Prerequisites

Admission into the Laborers Apprenticeship program

Methods of Evaluation

The minimum evaluation tools to be used are 2 written and 2 practical examinations.

Instructional Materials and Additional Supplies

Laborers Hazardous Waste Training Manual, Laborers Training Fund, 2007

Course Content

General Learning Outcomes (GLOs)

- Technology: Students will demonstrate the ability to evaluate, select, and appropriately use current and emerging tools.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Hazard Recognition and Identification	1. Review the National Institute for Occupational Safety and Health (NIOSH) pocket guide. 2. Describe how to recognize a hazard. 3. Identify specific hazards.	2.5	2.5	0
Hazard Communication	1. Describe Occupational Safety and Health Administration (OSHA) and other regulations for hazard communications. 2. Locate and read Material Safety Data Sheets (MSDS). 3. Interpret chemical labels. 4. Describe chemicals used in construction.	2.5	2.5	0
Health Effects	1. Describe possible health effects from hazardous waste. 2. Explain ways to protect oneself.	5	5	0
Legal Rights	1. Identify legal rights of workers and the public concerning hazardous waste. 2. Name some environmental laws concerning hazardous waste.	5	5	0
Personal Protective Equipment (PPE)	1. Identify types of respirators. 2. Describe the purpose of PPE clothing. 3. Obtain a Self-Contained Breathing Apparatus (SCBA) and describe how to use it. 4. Demonstrate how to wear PPE.	5	5	0
Decontamination	1. Describe how to decontaminate from hazardous waste. 2. Demonstrate how to decontaminate.	5	5	0
Site Safety and Health Plans	1. Explain the site safety and health plans for a project. 2. Implement site safety and health plans for a project.	5	5	0
Material Handling, Storage, and Transportation	1. Describe how to handle, store, and transport hazardous waste. 2. Demonstrate how to handle, store, and transport hazardous waste.	5	5	0
Safe Sampling Techniques and Air Monitoring	1. Describe methods to take samples and measure air quality. 2. Demonstrate sampling and measuring.	2.5	2.5	0
Confined Spaces	1. Describe the rules about confined spaces. 2. Demonstrate safe practices in and around confined spaces.	2.5	2.5	0
Superfund and Community Programs	1. Identify several Superfund and community programs for hazardous waste.	2.5	2.5	0
Exams	1. Prove learned competency through successful completion of evaluation tools such as exams.	2.5	2.5	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
45	45	0