



Health, Safety and Environment

Certified waste management professional

Course Introduction

The Certified Waste Management Professional is designed to provide professionals with a comprehensive understanding of waste management processes, sustainable practices, and regulatory compliance. This program covers the key aspects of waste management, including waste minimization, recycling, disposal techniques, and hazardous waste management, ensuring participants are well-equipped to lead and manage waste management operations in a variety of industries.

By completing this program, participants will gain the expertise to create effective waste management strategies that reduce environmental impact, ensure legal compliance, and improve sustainability practices within their organizations.

Target Audience

- Health and Safety Officers
- Environmental Health and Safety professionals
- Health and Safety Managers
- All professionals use health and safety requirements in their work processes.

Learning Objectives

- Introduction to Waste Management
- Waste Generation and Minimization
- Types of Waste and Waste Classification
- Waste Collection and Transportation
- Recycling and Waste Diversion Programs

Course Outline

- **DAY 01**

Introduction to Waste Management:

- Overview of waste management principles and importance
- The waste management hierarchy: Reduction, reuse, recycling, and disposal
- Key terminologies and concepts in waste management

Waste Generation and Minimization:

- Identifying sources of waste in industrial, commercial, and residential settings
- Strategies for minimizing waste generation and promoting efficiency
- Sustainable practices for reducing waste at the source

- **Day 02**

Types of Waste and Waste Classification:

- Solid waste, hazardous waste, and electronic waste (e-waste) management
- Identifying, classifying, and handling different types of waste
- Understanding the environmental impact of various waste types

Waste Collection and Transportation:

- Best practices for waste collection and handling
- Managing waste collection routes, schedules, and logistics
- Safe transportation methods for various waste types, including hazardous materials

- **Day 03**

Recycling and Waste Diversion Programs:

- Designing and implementing effective recycling programs
- Strategies for increasing waste diversion from landfills

- Working with communities and industries to increase recycling rates

Waste Treatment and Disposal Technologies:

- Methods for treating and processing waste, including composting, incineration, and landfilling
- Technological innovations in waste treatment (e.g., anaerobic digestion, waste-to-energy)
- Regulations and environmental considerations in waste disposal

• Day 04

Hazardous Waste Management:

- Identifying and managing hazardous waste in compliance with local and international regulations
- Safe storage, transportation, and disposal of hazardous materials
- Emergency response and handling procedures for hazardous waste spills

Waste Management Risk Assessment and Safety:

- Identifying risks associated with waste management operations
- Developing and implementing safety protocols and training programs
- Risk mitigation strategies for hazardous waste management

• Day 05

Sustainability and Resource Recovery:

- Strategies for recovering valuable resources from waste streams (e.g., metals, plastics, and organics)
- Promoting circular economy principles in waste management
- Environmental and economic benefits of resource recovery initiatives

Roles and Responsibilities of Waste Management Professionals:

- Key roles in managing waste, from collection to disposal
- Leading and coordinating waste management teams
- Communicating with stakeholders, regulatory agencies, and the public
- Developing and implementing waste management policies, programs, and initiatives

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 4, 2025	May 8, 2025	5 days	4250.00 \$	KSA - Riyadh
Aug. 4, 2025	Aug. 8, 2025	5 days	5950.00 \$	Switzerland - Zurich
Sept. 8, 2025	Sept. 12, 2025	5 days	5950.00 \$	Spain - Barcelona
Oct. 20, 2025	Oct. 24, 2025	5 days	4250.00 \$	UAE - Abu Dhabi