

Safety Fundamentals for Metal Manufacturing

CERTIFICATE COURSE



Certificate Course Outline

Throughout this two-day seminar, you will learn essential metal manufacturing safety procedures and programs that will empower you to establish a safer work environment. Topics and discussions will include key regulations, recommended standards, and best practices for you and your company.

Learning Objectives

Facility Safety

- Evaluate and design a comprehensive safety plan that minimizes life and property damage during catastrophes and implements high-level safety inspections to identify and address unsafe conditions, including understanding the procedures for OSHA inspections.
- Recognize and apply key safety practices, such as hazard communication, confined space protocols, lockout/tagout procedures, forklift safety, machine safeguarding, and laser and welding safety, to maintain a safe workplace.

Safety Documentation

- Develop a comprehensive safety plan to minimize damage during catastrophes and implement inspections to identify unsafe conditions. In compliance to OSHA inspection procedures and key safety practices for hazard communication and lockout/tagout.
- Evaluate knowledge of environmental management, injury management processes, and fleet safety regulations, focusing on compliance, exposure controls, and effective training programs.

Personnel Safety Accountability and Employee Engagement

- Assess understanding of substance abuse in the workplace, including key components of a drug-free environment, recognition of addiction indicators, and strategies for reducing substance use.
- Evaluate knowledge of bloodborne pathogens, employee safety committees, industrial hygiene (noise and air), personal protective equipment (PPE), manual material handling ergonomics, and fraud prevention measures to promote a safer and more engaged workplace.

