



South Central College

WELD 1010 OSHA 10 Hour and Welding Safety

Common Course Outline

Course Information

Description	This course is intended to provide entry level general industry workers information about their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid, and prevent job related hazards on a job site. The training covers a variety of general industry safety and health hazards which a worker may encounter. An emphasis is placed on safety issues that exist in the welding environment. (Prerequisite: Weld 1011 Weld safety or equivalent from another technical college or instructor approval.)
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Total Credits	1
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Total Hours	16
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Types of Instruction

Instruction Type	Credits/Hours
Lecture	1 / 16

Pre/Corequisites

Weld 1011 Weld safety or equivalent from another technical college or instructor approval.

Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Course Outcomes

1. **Understand the different components in an Introduction to OSHA course and how they all relate to one another.**

Learning Objectives

- Locate weekly fatality/catastrophe report.
- Identify MSDS.
- Know your rights as a whistleblower.
- Identify OSHA 300 log examples.
- Read OSHA standards.
- Navigate the OSHA website.
- Identify safety and health problems in the workplace.

Demonstrate filling an OSHA complaint.

2. Define components associated with walking and working surfaces, including fall protection.

Learning Objectives

Define the term floor hole, floor opening, wall opening, standard railing, and standard toe board.

List five requirements to consider in order to avoid walking/working surface hazards related to floors, walls holes, stairways, platforms and ladders of scaffolding.

3. Describe exit routes, emergency action plans fire prevention plans, and fire protection.

Learning Objectives

Describe the three parts to an appropriate exit route.

Discuss at least four characteristics of an effective exit route.

List four reasons for developing an emergency action plan.

List the required elements of a fire prevention plan.

List four of the five classes of fire extinguishers and the types of fires they can properly extinguish.

Name the requirements of a fire prevention plan.

Describe four requirements for proper maintenance of portable fire extinguishers.

4. Recognize common electrical hazards in the work place.

Learning Objectives

Describe four types of injuries that may result from contact with electricity.

List the three main electrical hazards that maybe encountered at a worksite.

Discuss at least three methods of protection from electrical hazards.

Describe the function of a ground fault circuit interrupter.

List three warning signs or clues that an electrical hazard exists.

5. Identify personal protection equipment.

Learning Objectives

Describe the two primary means of protecting employees from workplace hazards.

Explain what should be accomplished in PPE training.

List PPE that may be used to protect the eye, face, head, feet, hands, arms, bodies, and hearing.

Identify hazards that are lessened or eliminated by using the appropriate PPE for eye protection, hearing protection, foot and hand protection, face protection, and body protection.

6. Describe hazard communication responsibilities.

Learning Objectives

Describe the four main employer responsibilities under the HazCom standard.

List the components of an appropriate HazCom program.

Describe the differences between HazCom labeling requirements for a commercially procured chemical in its original packaging or container and other workplace chemical containers such as stationary containers, portable containers and piping systems.

Identify at least five pieces of information found on each material safety data sheet.

SCC Accessibility Statement

Disability Services provides accommodations and other supports to students with permanent and temporary disabilities that affect their SCC experience. Disabilities may include mental health (anxiety, depression, PTSD), ADHD, learning disabilities, chronic health conditions (migraine, fibromyalgia), sensory disabilities, and temporary disabilities (broken arm, surgery). Common accommodations are extended test time, private room for testing, audiobooks, and sign language interpreter.

Contact us: Faribault A116 (507) 332-5847. North Mankato E112 (507) 389-7222. ds@southcentral.edu
www.southcentral.edu/disability