

WPT 115 - WELDING SAFETY STANDARDS

- Exhibit professional conduct that reflects an understanding of workplace safety culture and regulatory compliance.

Course Description

This course offers a focused study of safety practices, regulations, and procedures critical to welding and construction environments. Emphasis is placed on personal protective equipment (PPE), the safe operation of tools and machinery, hazard recognition, and accident prevention. Students gain practical experience with essential construction equipment and receive training in basic first aid and emergency response specific to industrial settings. Upon completion, students will be prepared to comply with OSHA and SARA Title III standards and industry best practices.

Group 2 course.

Credit Hours

2

Contact Hours

3

Lecture Hours

1

Lab Hours

2

Course Learning Outcomes

Knowledge:

- Identify, evaluate, and mitigate common hazards in welding and construction environments.

Application:

- Demonstrate safe and effective use of construction and material-handling equipment.

Integration:

- Summarize welding environment hazard and associated safety practices.
- Communicate and document safety practices, inspections, and incidents using appropriate procedures and terminology.

Human Dimension:

- Recognize the importance of weld quality on the health, safety, and welfare of the public.
- Collaborate with other welding students to improve welding skills.

Caring - Civic Learning:

- Interpret and apply relevant OSHA and SARA Title III standards to workplace safety scenarios.
- Properly use and maintain personal protective equipment to meet industry safety standards.
- Administer basic first aid and respond appropriately to emergency situations in industrial settings.

Learning How to Learn:

- Demonstrate perseverance when developing skills.
- Synthesize new material with old in order to improve outcomes.