

# WPT 142 - FLUX CORED ARC WELDING

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## Course Description

This course provides students the opportunity to learn and apply safe welding techniques using the Flux Cored Arc Welding (FCAW) process.  
Group 2 course.

## Credit Hours

2

## Contact Hours

3

## Lecture Hours

1

## Lab Hours

2

## Required Prerequisites

WPT140

## General Education Outcomes supported by this course

Quantitative Reasoning

## Course Learning Outcomes

### Knowledge:

- Understand and use terminology common to the welding trade as defined by the American Welding Society (AWS).

### Application:

- Demonstrate proper handling, setup, and adjustment of FCAW equipment.

### Integration:

- Demonstrate the ability to complete welds on steel in the flat, horizontal, and vertical positions with the FCAW process.

### Human Dimension:

- Students will recognize the importance of weld quality on the health, safety, and welfare of the public.

### Caring - Civic Learning:

- Students will be aware of their personal impact on the quality of the projects in which they are involved.

### Learning How to Learn:

- Students will evaluate hypothetical applications and determine efficacy of different processes.