

# WPT 114 - WELDING LAB II

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## Course Description

Second level lab for all students enrolled in a Welding Technology Degree or Certificate Program. Practical application of Shielded Metal Arc Welding, Pulsed Gas Metal Arc Welding, Gas Tungsten Arc Welding, and Plasma Arc Cutting. Welds will be performed in all positions and subjected to destructive quality testing. Group 2 course.

## Credit Hours

4

## Contact Hours

8

## Lab Hours

8

## Required Prerequisites

WPT 111 and WPT 112

## Corequisites

WPT 113

## Course Learning Outcomes

### Knowledge:

- Identify common welding equipment.
- Select machine settings via multiple resources.

### Application:

- Create weld samples in conformance to print specifications.
- Calculate using common formulae.

### Integration:

- Integrate theory in practical course experiences.

### Human Dimension:

- Collaborate to improve welding skills.

### Caring - Civic Learning:

- Demonstrate shop etiquette.
- Reflect on the value of attitude in the industrial environment.

### Learning How to Learn:

- Demonstrate perseverance when developing skills.