

# WPT 211 - WELDING FABRICATION I

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## Course Description

First level fabrication class for all students enrolled in the Welding Technology A.A.S. program. Students will learn to apply manufacturing principles and techniques in order to complete assemblies to print specifications. Proper use of common industrial tools and machinery, including CNC cutting table, will be stressed. Group 2 course.

## Credit Hours

3

## Contact Hours

5

## Lecture Hours

1

## Lab Hours

4

## Required Prerequisites

WPT 113, WPT 114

## General Education Outcomes supported by this course

Critical Thinking - Direct

## Course Learning Outcomes

### Knowledge:

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

### Application:

- Fabricate complex assemblies in conformance to print specifications.
- Use formulae to estimate cost of work.

### Integration:

- Integrate theory with their practical experience.
- Organize tasks to achieve process efficiency.

### Human Dimension:

- Support the progress of others through collaboration.

### 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.
- Synthesize new material with old in order to improve outcomes.