

# WPT 212 - WELDING FABRICATION II

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## Course Description

Second level fabrication class for all students enrolled in the Welding Technology A.A.S. program. Students will take control of a fabrication project from the planning to finishing stages. Emphasis on design, project planning, and efficient execution. Group 2 course.

## Credit Hours

3

## Contact Hours

5

## Lecture Hours

1

## Lab Hours

4

## Required Prerequisites

WPT 211

## General Education Outcomes supported by this course

Critical Thinking - Direct

## Course Learning Outcomes

### Knowledge:

- Organize project steps for manufacturing.
- Identify factors that govern the manufacturing process.

### Application:

- Generate project design prints.
- 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.
- Justify manufacturing design decisions.

### Caring - Civic Learning:

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

### Learning How to Learn:

- Adapt to the less structured work environment.
- Synthesize new material with old in order to improve outcomes.