

WPT 112 - WELDING LAB I

Course Description

First level lab for all students enrolled in a Welding Technology Degree or Certificate Program. Practical application of Shielded Metal Arc Welding and Oxy Fuel Processes for welding, brazing, and cutting. Group 2 course.

Credit Hours

4

Contact Hours

8

Lab Hours

8

Corequisites

WPT 111

General Education Outcomes supported by this course

Quantitative Reasoning

Course Learning Outcomes

Knowledge:

- Identify common welding equipment.
- Discover recommended machine settings via multiple resources.

Application:

- Create weld samples in conformance to print specifications.
- Use formulae to calculate Wire Feed Speed and other parameters.

Integration:

- Integrate the theory learned in WPT 111 with their practical experience in this course.

Human Dimension:

- Collaborate to improve welding skills.

Caring - Civic Learning:

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

Learning How to Learn:

- Recognize the need for determination and focus when developing skills.