

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, Gas Metal Arc Welding, and Oxy Fuel Processes for welding, brazing, and 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

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.