

WPT 140 - GMAW (MIG) WELDING I

Course Description

This course provides the student an opportunity to learn the theory and application of basic Gas Metal Arc Welding (GMAW) techniques on ferrous metals. Group 2 course.

Credit Hours

2

Contact Hours

3

Lecture Hours

1

Lab Hours

2

General Education Outcomes supported by this course

Quantitative Reasoning

Course Learning Outcomes

Knowledge:

- Understand and use terminology common to the welding trade as defined by the American Welding Society (AWS).

Application:

- Demonstrate proper handling, setup, and adjustment of GMAW equipment.

Integration:

- Demonstrate the ability to complete welds on steel in the flat and horizontal positions with the GMAW process (Critical).

Human Dimension:

- Students will recognize the importance of weld quality on the health, safety, and welfare of the public.

Caring - Civic Learning:

- Students will be aware of their personal impact on the quality of the projects in which they are involved.

Learning How to Learn:

- Students will evaluate hypothetical applications and determine efficacy of different processes.