

WPT 160A - WELD. QUALIFICATION PREP-GMAW

Course Description

This course provides experienced welders/students the opportunity to take the AWS welder qualification tests in Gas Metal Arc Welding (GMAW). Group 2 course.

Credit Hours

2

Contact Hours

3

Lecture Hours

1

Lab Hours

2

Required Prerequisites

WPT141

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 the ability to properly prepare code bend test coupons as well as to properly prepare and set up weld performance test coupons.

Integration:

- Demonstrate the ability to complete bend tests to industry-appropriate quality levels.

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.