

WPT 161 - WELDING QUALIFICATION PREP

Course Description

Students will learn performance qualification according to American Welding Society (AWS) standards. As part of this course, students may earn various qualifications according to AWS standards adhering to D1.1 (steel) and D1.2 (aluminium) covering multiple processes. Group 2 course. Prerequisites: None.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

General Education Outcomes supported by this course

Critical Thinking - Direct

Course Learning Outcomes

Knowledge:

- Use terminology common to the welding trade as defined by the American Welding Society.

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:

- Generate weld procedure documentation in accordance with applicable industry standards.

Human Dimension:

- Recognize the importance of weld quality on the health, safety, and welfare of the public.

Caring - Civic Learning:

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

Learning How to Learn:

- Evaluate hypothetical applications and determine efficacy of different processes.