

Welding in the workplace

Introduction to Welding - (50 Hours)

This 50-hour course is designed to provide individuals an introduction to welding in an industrial setting. Students will be exposed to the aspects of applicable welding theory and hands-on, practical demonstration, and application in a lab setting. Students will learn basic safety, math and basic measurement, metal preparation, weld quality, SMAW equipment and set-up, electrodes, beads and fillet welds, joint fit-up and alignment, welding of the 5 engineering joints and welding and completion of Vee-groove for the guided bend test.

Advanced Welding

Prepares students for Real World Application and hands on knowledge of the Shielded Metal Arc, Gas Metal Arc and Fluxed Cored Arc Welding. These skill sets are sought after throughout the Welding Industry. Applicants will be trained and prepared for an entry level position into the World of Welding upon successful completion. Upon Successful Completion, students will demonstrate the ability to pass an AWS Welder Qualification test in SMAW and FCAW.

Weld Test Refresher Course

Provides students with 6 hours of hands-on prep class for the Weld Test Certification. Applicants will need previous experience in welding processes pertinent to specific procedures and will reflect company specified Welding Procedure Specifications (WPS).

Weld Test Certification

Upon completion, students will receive their final certification which will provide nontransferable certification that will be specific to company and will comply with AWS code and Welding Procedure Specifications administered by an AWS CWI.

Learning to Speak Welding for the Non-Welder

Provides students with 6 hours of training for recognizing and understanding weld defects, basic processes of welding and technology, common weld defects and causes, samples and review weld defects and weld symbols and drawings.

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