

WELD115W : Fundamental Welding Skills and Principles

Fundamental Welding Skills and Principles combines practical application and welding theory, covering the fundamental welding skills and principles for the Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Oxy-Fuel Cutting, and Carbon Arc Cutting (CAC-A) processes. The course also covers AWS basic joint designs in all positions. Students gain the skills necessary to certify in the AWS D1.5 FCAW unlimited thickness certifications in all positions. (Testing will take place in Advanced Welding Skills and Principles). Hazard identification and safe work practices are essential elements of this course.

Lecture Hours 2

Lab Hours 22 **Credits** 12

Corequisite Courses

WELD106W

WELD110W

WELD125W

WELD203W