

WELD221W : Advanced Welding Skills and Principles

Advanced Welding Skills and Principles combines practical application and welding theory. This advanced course builds on the fundamental welding skills and principles. Processes covered include Gas Tungsten Arc Welding (GTAW), advanced Shielded Metal Arc Welding (SMAW), Submerged Arc Welding (SAW), and additional Advanced Welding Processes. Students gain the skills necessary and have the opportunity to certify in the AWS D1.5 (SMAW) unlimited thickness certifications in all positions. Students will also have the opportunity to certify in the AWS D1.5 (FCAW) unlimited thickness certifications in all positions. Hazard identification and safe work practices are essential elements of this course.

Lecture Hours 1

Lab Hours 21 **Credits** 11

Prerequisite Courses

WELD106W

WELD110W

WELD115W

WELD125W

WELD203W

Corequisite Courses

CAR101W

WELD206W

WELD216W

WELD226W

WELD228W