

IND 1204 : WELDING II

This course provides additional training for students interested in employment as a production welder, in fabrication, or in a repair shop. Students will continue the study of welding safety, career opportunities, metallurgy, welding equipment and processes, welding electrical theory, and welding drawing/welding symbol interpretation. Students gain hands-on experience with Oxyfuel heating processes, Gas Metal Arc Welding (GMAW), Flux-Core Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW) in the American Welding Society 1G/F, 2G/F, 3G/F, and 4G/F positions on carbon steel. Welding skills will be developed and assessed in GMAW and GTAW stringer beads, fillet welds, V-groove welds, and open-root V-groove welds. This course requires students to wear several items of personal protection equipment. Shop procedures are explained, constantly emphasized, and strictly enforced. Students will have an opportunity to certify as American Welding Society Level I - Entry Welder, GMAW, FCAW, and GTAW, Plate.

Credits 4

Lecture Hours 1

Lab Hours 7

Prerequisites

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