

## Shielded Metal Arc Welding - WE104

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**Section:** WE104 006251S Hillsboro

**Section Type:** Lecture

**Credit Hours:** 3.00

**Course Description:** Through classroom and/or lab/shop learning and assessment activities, students in this course will: describe the Shielded Metal Arc Welding process (SMAW); demonstrate the safe and correct set up of the SMAW workstation; associate SMAW electrode classifications with base metals and joint criteria; demonstrate proper electrode selection and use based on metal types and thicknesses; build pads of weld beads with selected electrodes in the flat position; build pads of weld beads with selected electrodes in the horizontal position; perform basic SMAW welds on selected weld joints; and perform visual inspection of welds.

**WHEN**

Days: W F

Times: 07:00 AM - 09:30 AM

Start Date: 08/27/2025

End Date: 12/19/2025

**WHERE**

Campus: Hillsboro

Building: Hillsboro Welding

Room: HB001

**INSTRUCTOR**

JOSH LEWIS

**BOOKS**

Title: SHIELDED METAL ARC WELDING 10TH Edition

Author: WALKER

Required: Yes