

## Gas Tungsten Arc Welding - WE112

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**Section:** WE112 002252S Hillsboro

**Credit Hours:** 3.00

**Course Description:** Through classroom and/or lab/shop learning and assessment activities, students in this course will: explain the gas tungsten arc welding process (GTAW); demonstrate the safe and correct set up of the GTAW workstation; relate GTAW electrode and filler metal classifications with base metals and joint criteria; build proper electrode and filler metal selection and use based on metal types and thicknesses; build pads of weld beads with selected electrodes and filler material in the flat position; build pads of weld beads with selected electrodes and filler material in the horizontal position; perform basic GTAW welds on selected weld joints; and perform visual inspection of GTAW welds.

**WHEN** Start Date: 01/07/2026 End Date: 03/13/2026

**Days:**

MWRF

7:00 AM - 9:30 AM

Campus: Hillsboro

Building: Hillsboro Welding

Room: HB001

**INSTRUCTOR**

JOSH LEWIS

**BOOKS**

Title: GAS TUNGSTEN ARC WELDING HANDBOOK 7TH Edition

Author: MINNICK AND PROSSER

Required: Yes