

## Shielded Metal Arc Welding - WE104

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**Section:** WE104 004251S Newton

**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.

**Section Notes:** Please note that class meets on M,W,F, from 10/3/25-11/14/25 then on M,T,W,R,F, from 11/17/25-12/18/25.

**WHEN** Start Date: 10/03/2025 End Date: 12/18/2025

**Days:**

MTWRF

12:20 PM - 3:15 PM

Campus: Newton

Building: Newton Brooks Trade Center

Room: NWB111

**INSTRUCTOR**

MICHAEL DANIEL

**BOOKS**

Title: SHIELDED METAL ARC WELDING 10TH Edition

Author: WALKER

Required: No