
SECTION HEADING

WELD 1230: Gas Metal Arc Welding I

Description

Gas Metal Arc Welding I provides the student with a thorough technical understanding of Gas Metal Arc welding, welding safety, equipment and set-up, wire and shielding gas classifications and selection. It also provides training to develop the skills necessary to make quality gas metal arc welds on mild steel.

Credits

3

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Safety in the welding shop
2. Welding joints and positions
3. Material preparation
4. Wire selection
5. Shielding gases
6. Gas Metal Arc Welding (GMAW) principles
7. Gas Metal Arc Welding equipment, set-up, and supplies
8. Perform quality welds using Gas Metal Arc Welding processes

Learning Outcomes

1. Recognize a safe work environment and the need for personal safety.
2. Demonstrate weld shop safety.
3. Demonstrate safe and proper use of Gas Metal Arc Welding equipment and components.
4. Demonstrate technical understanding of Gas Metal Arc Welding processes.
5. Perform quality welds in the flat position using Gas Metal Arc Welding processes.
6. Demonstrate proper adjustment, set-up and operation of Gas Metal Arc Welding equipment.

Credit Details

Lecture: 1

Lab: 2

OJT: 0

MnTC Goal Area(s): None