

Basic Arc Welding

Description

This course is designed to teach the basics to persons having little or no knowledge of welding. It is designed to teach the basics of arc welding commonly referred to as SMAW.

Outline

- Arc Welding Process Overview
- Arc Welding Power Sources
- Arc Welding Consumables
- Weld Defects
- Base Metals Arc Welding Practice Exercises
(Hands on Lab Exercises)

Prerequisites

Participants need not have any prior welding knowledge but they should possess a willingness to learn.

Course Length

32 hours.

Performance Objectives

At the completion of this course the participant will be able to select the appropriate electrodes and make fillet welds in the flat and horizontal position. They will be able to properly set their machines and make welds. Some students may be able to advance as far as fillet welds in the vertical and horizontal position as well.