Basic Introductory Welding

Course Outline

This 120 hour course is designed to give the student knowledge of welding principles & safety considerations. The course will focus on developing the basics of wire feed, tungsten, inert gas (TIG), gas metal arc (MIG) & shielded metal arc (Stick) welding (SMAW). The participant will also be exposed to brazing, oxyacetylene cutting & applied blueprint reading. After satisfactory completion, they will be able to view a blue print, interpret it, determine types of welds & perform various fundamental welding functions.

Course Goals

- Demonstrate welding shop safety
- Demonstrate welding rod selection
- Identify different base materials
- Identify parts of a blueprint
- Demonstrate knowledge of material selected
- Demonstrate set-up procedure of equipment
- Understand the different perimeter settings
- Demonstrate welding exercises
- Identify basic welding joints
- Demonstrate arc welding set-up
- Understand the importance of quality weld factors
- Demonstrate oxyacetylene equipment set up
- Demonstrate set-up procedures for TIG & MIG welding applications
- Understand differences between brazing & welding
- Demonstrate ability to view blueprint, interpret it & visualize the product
- Determine welds & material required to manufacture the product

Space is limited to 12. Loan programs may be available. Contact Dawn Sandberg today for more information!

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