

Welding Program Level Student Learning Outcomes

Students completing the Welding program will be able to:

1. Define welding terminology and learn welding codes.
2. Learn how to identify, set-up, and operate equipment safely.
3. Perform Shielded Metal Arc Groove Welding.
4. Define and demonstrate the principles of gas metal arc welding.
5. Perform Shielded Metal Arc Fillet Welding.
6. Demonstrate safe working practices.
7. Identify the different electrode classifications and parameters.
8. Demonstrate welding in various positions.
9. Demonstrate Gas Tungsten Arc Welding.
10. Perform Carbon Arc gouging.
11. Perform Plasma Arc cutting and gouging.
12. Perform Oxy-fuel cutting with hand torches, track and pipe bevelers.
13. Obtain opportunities to certify to AWS standards on plate and pipe.
14. Interpret fabrication blueprints.
15. Identify welding symbols and proper welds.
16. Plan, execute, and present results of individual projects.