

WELD 117 : Introduction to Welding

Credits: 2

Class Hours: 4 lecture/lab

Prerequisites: "C" or higher or concurrent enrollment in WELD 118.

Description: This course is an introduction to Oxy/Acetylene and basic arc welding procedures in the workplace in accordance with American Welding Society (AWS) standards. Students will learn the proper safety techniques involved in handling welding equipment.

Semester Offered: Fall

Course Student Learning Outcomes (CSLOs):

1. Apply personal and environmental safety practices associated with clothing, eye protection, use of hand tools, and power equipment.
2. Identify common hand tools and demonstrate their correct and safe usage on minor welding jobs.
3. Properly set up, light, adjust, and turn off Oxy/Ace welding equipment following the proper order and safety precautions.
4. Demonstrate fusion and braze welding of steel plate.
5. Using Oxy/Ace and Arc welding, perform butt, lap, tee, and vertical position welding techniques.