

WELD 120 : Intermediate Welding I

Credits: 2

Class Hours: 1 lecture and 2 lecture/lab

Prerequisites: "C" or higher in WELD 117 and WELD 118.

Corequisite Courses:

WELD 166

Description: This course covers intermediate arc welding procedures, including the safe and proper use of shop equipment, tools, and materials. Students will learn weld symbols and structure. This course is also an introduction to Gas Metal Arc Welding (GMAW) or MIG welding.

Semester Offered: Spring

Course Student Learning Outcomes (CSLOs):

1. Describe personal and environmental safety practices associated with clothing, eye protection, and 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, adjust, and tune, and shut down Arc/Mig welding equipment following the proper order and safety precautions.
4. Perform out-of-position welding, including vertical and overhead welding.
5. Perform butt, lap, tee, and vertical position welding using GMAW welding.