

Course Objectives/Course Outline
Spokane Community College

Course Title: Auto Welding
Prefix and Course Number: WELD 155

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Function safely and proficiently with an oxy-fuel torch
- Cut various thicknesses of steel using an oxy-fuel cutting torch and Plasma cutting torch
- Be introduced to GMAW and GTAW

Course Outline:

- 1) Oxy-fuel
 - a) Safety
 - b) Set up
 - c) Cutting
- 2) Basic GMAW
 - a) Safety
 - b) Wire ID
- 3) Plasma
 - a) Set up
 - b) Practice
- 4) E70S-6
 - a) Flat plate
 - i) Flat
 - ii) Horizontal
 - b) Butt Joints
 - c) T Joints
 - i) Horizontal
- 5) GTAW
 - a) Steel
 - i) Practice
 - b) Aluminum
 - i) Practice