

Course Objectives/Course Outline
Spokane Community College

Course Title: CNC Welding
Prefix and Course Number: WELD 154

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
- Be introduced to SMAW, GMAW, GTAW

Course Outline:

- 1) Oxy-fuel
 - a) Safety
 - b) Set up
 - c) Cutting
- 2) Basic SMAW
 - a) Safety
 - b) Electrode I.D.
 - c) Electrode classification
- 3) E-7018,
 - a) Flat plate
 - i) Flat
 - ii) Horizontal
 - b) T Joints
 - i) Horizontal
- 4) E-6010
 - a) T joints
 - i) Horizontal
- 5) GMAW
 - a) Intro
 - b) Practice
- 6) GTAW
 - a) Steel
 - i) Practice
 - b) Aluminum
 - i) Practice