

Course Objectives/Course Outline
Spokane Community College

Course Title: Oxy-acetylene Welding

Prefix and Course Number: AGGEN 158

Course Learning Outcomes:

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

- Recognize quality workmanship in an oxy-acetylene weld
- Perform common maintenance and repair jobs using oxy-acetylene equipment
- Select proper equipment for a given job
- Set up, test, store and use oxy-acetylene equipment in the flat, horizontal, and vertical positions
- Bronze weld mild steel and cast iron
- Cut mild steel using oxy-acetylene equipment
- Use oxy-acetylene equipment to bronze mild steel

Course Outline

- I. Introduction to Oxy-acetylene Welding
 - A. Uses
 - B. Safety
 - C. Characteristics of Gases
- II. Welding Mild Steel
 - A. Flat
 - B. Horizontal
 - C. Vertical
- III. Bronze Welding
 - A. Butt Joints
 - B. Fillet Joints
- IV. Oxy-acetylene Cutting