

Print Date: 3/27/19

Course Objectives/Course Outline Spokane Community College

Course Title: Fabrication and Piping CAD Applications

Prefix and Course Number: CAD 260

Course Learning Outcomes:

By the end of this course, a student should:

- Generate fabrication, sheet metal, HVAC, and piping working drawings
- Incorporate 2-D and 3-D Solid Modeling software, templates, and guidelines
- Demonstrate the drafting guidelines and codes applied to basic fabrication drawings
- Generate the required types of detail drawings, floor plans, and schematics found in the fabrication and piping industry

Course Outline

- I. Working/Detail Drawings
 - A. Material Selection and Catalog Information Selection
 - B. Single/Multiple Detail Formats
 - C. Drawing Number Systems and Documentation
- II. Design and Drawing of Details, Floor Plans, Schematics
 - A. Calculations for sheet metal, weld sizes, etc.
 - B. Terminology and Symbols
 - C. Code and Drafting Requirements