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