

## **CEU CLASS**

**Class Name:** PIPEFITTING

**Instructor:** Jason Hebbert

**CEU Credits:** 8



### **1. Materials needed for class: (For shop time)**

**Note: We can provide some of these materials, but we are limited in how many we have to lend, so if you do have these please bring it the day of class.**

- a. Welding Gloves
- b. Welding Jacket
- c. Welding Hood
- d. Proper PPE attire (for example: long pants, work boots, cotton shirt, safety glasses)
- e. Calculators and piping handbook and offset formula book will be provided. (This is a math course with shop time)

### **2. Classroom Syllabus:**

- a. Fractions to Decimals/ Decimal to Fraction
- b. Feet and Inches to Decimal Equivalent
- c. Decimals of a foot to Feet and Inches
- d. Identification sides of Triangle
- e. Learn about the Six Trig Functions

- f. Using the Trig tables
- g. Solving for Basic Triangles
- h. Offset Same Angles
- i. Offset Two Angles
- j. Fitting Radius and Take-offs
- k. Layout of Fittings Less than 90 degree
- l. Miters
- m. Special offset no pipe in between

### **3. SHOP TIME:**

- a. Layout for Miters
- b. Fabrication of fittings less than a 90 degree
- c. 45 degree Rolling offset
- d. Special Offset same degree (back to back ells)
- e. Rolling Offset Odd Degree (time allowing)
- f. Special Offsets w/ Pipe (time allowing)
- g. 90 Degree Intersection (time allowing)