

**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title:** Fluid Line Fabrication

**Prefix and Course Number:** FLPT 132

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**Course Learning Outcomes:**

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

- measure, cut, and thread pipe and pipe nipples
- measure, cut, bend, and flare hydraulic steel tubing
- measure and cut hydraulic hose for assemble
- install crimps on hose ends and two piece reusable hose ends
- identify adaptors, flanges, and hose ends by size and part number

**Course Outline**

- I. Shop Requirements
  - A. Proper Dress
  - B. Shoes
  - C. Safety Glasses
  - D. Hand Tools
  - E. Personal Tools
- II. Equipment Operation
  - A. Information Sheets
  - B. Instructor Verification
  - C. Work Area Assignments
- III. Shop Project Procedures
  - A. Furnished Materials
  - B. Lab Sheet Procedures
  - C. Instructor Assistance
  - D. Extra Materials
- IV. Practical Shop Applications
  - A. Pipe
  - B. Tubing
  - C. Hydraulic Pressure Hose