

Print Date: 11/15/17
Course Objectives/Course Outline
Spokane Community College

Course Title: Utility Construction I

Prefix and Course Number: UTIL 101

Course Learning Outcomes:

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

- Practice appropriate safety measures in the field
- Apply basic principles of electricity
- Operate a variety of equipment

Course Outline:

I. Safety

- a. Personal Protective Equipment
- b. Class and Yard Rules
- c. Safe Work Practices
- d. CPR / First Aid Certification

II. Knots

- a. Square
- b. Sheet Bend
- c. $\frac{1}{2}$ "
- d. Double $\frac{1}{2}$ "
- e. Timber Hitch

III. Material & Tool Familiarization

- a. CDL Principles
- b. Bowline
- c. Running Bowline
- d. Sheep Shank
- e. Dove Hitch
- f. Trucker's Hitch

IV. Practical Applications

- a. Personal Protective Equipment
- b. Knots
- c. CDL Applications

V. PC Basics

- a. Fundamentals of Electricity
- b. Tools and Rigging