

# ELECTRIC LINEWORKER (ELCL)

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## **ELCL 125 Job Training and Safety4 Credits**

Job training and safety skills, including CDL, basic use and care of personal protective equipment and climbing equipment, daily job briefings, daily inspection of motorized equipment, and knot tying.

**Terms Typically Offered:** Fall.

## **ELCL 131 Electrical Distribution Theory I4 Credits**

Pole setting techniques, framing methods and specifications, climbing, sagging and splicing of conductors, energizing and de-energizing of lines, and installation of protective grounds.

## **ELCL 131L Electric Distribution Lab4 Credits**

Examination of the National Electric Safety Code, equipment operation, material records, knot tying, installation of protective grounds, pole climbing, replace insulators, replacing crossarms, conductor ties, and overhead line construction.

## **ELCL 132 Electrical Distribution Theory II4 Credits**

Installation and operation of protective equipment, transformer hookups, voltage regulation, hotstick maintenance, troubleshooting, and gloving from the pole. Four hours lecture, three hours laboratory per week.

**Prerequisites:** ELCL 131.

**Corequisites:** ELCL 132L.

## **ELCL 132L Electrical Distribution Theory II Laboratory4 Credits**

Installation and operation of protective equipment, transformer hookups, voltage regulation, hotstick maintenance, troubleshooting, and gloving from the pole and underground distribution.

**Prerequisites:** ELCL 131.

**Corequisites:** ELCL 132.

**Terms Typically Offered:** Spring.

## **ELCL 137 Advanced Electrical Distribution2 Credits**

Meter safety, connector installation, street lighting, rubber cover up, and public relations. Two hours lecture, eight hours laboratory per week.

**Corequisites:** ELCL 137L.

## **ELCL 137L Advanced Electrical Distribution Laboratory4 Credits**

Examination of meter safety, connector installation, street lighting, rubber cover up, and public relations.

**Prerequisites:** ELCL 125.

**Corequisites:** ELCL 137.

**Terms Typically Offered:** Spring.

## **ELCL 140 Underground Procedures4 Credits**

Examination of safety practices, terminology, fault finding, cable locating, switching procedure, installation of terminal devices, splicing, and transformer application.

**Corequisites:** ELCL 132L.

**Terms Typically Offered:** Spring.

## **ELCL 145 Hot Line Procedures1 Credit**

Two weeks of training by outside specialists covering current hotline maintenance and underground installation methods. Eight hours lecture, twenty-four hours laboratory per week.

**Corequisites:** ELCL 145L.

## **ELCL 145L Hot Line Procedures Laboratory2 Credits**

Lab component required for ELCL 145.

**Corequisites:** ELCL 145.

## **ELCL 195 Independent Study1 or 2 Credits**

Course may be taken multiple times up to maximum of 6 credit hours.

## **ELCL 196 Topics1 or 2 Credits**

Course may be taken multiple times up to maximum of 15 credit hours.

## **ELCL 199 Internship6 Credits**

Opportunity for an individual to be employed for training by a utility company while maintaining his/her status as a Colorado Mesa University student. Provides excellent on-the-job training benefits. Students usually selected for this course by formal interview.

**Prerequisites:** Permission of instructor. Eighteen hours per week, two semesters after completion of regular program.

Course may be taken multiple times up to maximum of 6 credit hours.