

ELECTRIC LINEWORKER (ELCL)

ELCL 125 Job Training and Safety 4 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.

Fees: Yes.

ELCL 131 Electrical Distribution Theory I 4 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 Lab 4 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.

Fees: Yes.

ELCL 132 Electrical Distribution Theory II 4 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 Laboratory 4 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.

Fees: Yes.

ELCL 137 Advanced Electrical Distribution 2 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 Laboratory 4 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.

Fees: Yes.

ELCL 140 Underground Procedures 4 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 Procedures 1 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 Laboratory 2 Credits

Lab component required for ELCL 145.

Corequisites: ELCL 145.

Fees: Yes.

ELCL 195 Independent Study 1 or 2 Credits

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

ELCL 196 Topics 1 or 2 Credits

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

ELCL 199 Internship 6 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.