ELECTRIC LINEMAN (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.