

# ELWK - ELECTRICAL LINEWORKER

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## **ELWK 130. Introduction to Electrical Power Systems**

### **2 Credits (2)**

An overview of electrical power systems, equipment, safety practices, first aid and CPR. May be repeated up to 2 credits. Students must be accepted into the electrical lineworker program before enrolling in this course. Restricted to: OEET majors. Restricted to Community Colleges campuses only.

**Corequisite(s):** OEET 110,OEET 131.

## **ELWK 131. Electrical Lineworker Lab I**

### **6 Credits (12P)**

Climbing and work on utility poles using ropes and rigging, pole setting and an introduction to transmission and distribution line construction. Maintenance and troubleshooting to include the use of hot sticks. May be repeated up to 6 credits. Students must be accepted into the electrical lineworker program before enrolling in this course. Restricted to: OEET majors. Restricted to Community Colleges campuses only.

**Corequisite(s):** OEET 110,OEET 130.

## **ELWK 140. Electrical Power Systems II**

### **3 Credits (2+2P)**

Theory of power generation and distribution with emphasis on three phase systems to include transformers, voltage regulators, surge arrestors. Includes troubleshooting. May be repeated up to 3 credits. Students must be accepted into the electrical lineworker program before enrolling in this course. Restricted to: OEET majors. Restricted to Community Colleges campuses only.

**Corequisite(s):** OEET 141.

## **ELWK 141. Electrical Lineworker II**

### **6 Credits (12P)**

Practice in the installation of electrical power lines including transformers, voltage regulators, and surge arrestors. Also advanced hot sticking procedures, troubleshooting, underground systems procedures, and pole-top rescue. May be repeated up to 6 credits. Students must be accepted into the electrical lineworker program before enrolling in this course. Restricted to: OEET majors. Restricted to Community Colleges campuses only.

**Corequisite(s):** OEET 140.

## **ELWK 221. Cooperative Experience I**

### **1-4 Credits (1-4)**

Supervised cooperative work program. Student is employed in an approved occupation and is supervised and rated by the employer and instructor. Student will meet in a weekly class. May be repeated up to 4 credits. Consent of Instructor required. Graded: S/U Grading (S/U, Audit). Restricted to Community Colleges campuses only.

**Prerequisite(s):** Consent of instructor.