

# OEET- ELECTRICAL TRADES

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## **OEET 110. Basic Electricity and Electronics**

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

An introduction to electricity theory and practice, including electron theory, Ohm's law, construction of electrical circuits, direct and alternating currents, magnetism, transformers, and practical applications. Same as HVAC 102, ELT 105, OEPB 102.

## **OEET 120. Basic Motor Controls**

### **5 Credits (2+6P)**

Developing schematics and wiring simple manual and electromechanical control devices.

**Prerequisite:** OEET 110 or consent of instructor.

## **OEET 205. National Electric Code**

### **3 Credits (3)**

Interpretation and application of the National Electric Code.

**Prerequisite:** OEET 110.

## **OEET 251. Electrical Apprenticeship V**

### **6 Credits (6)**

Commercial/industrial applications for electricians. Blueprint interpretation, commercial construction types and processes, wiring methods, wiring materials, and motor controls.

**Prerequisites:** OEET 154 and consent of instructor.

## **OEET 252. Electrical Apprenticeship VI**

### **6 Credits (6)**

In-depth commercial applications to include commercial/industrial service calculations, mobile home parks, multi-family dwellings, and commercial fire/security systems.

**Prerequisites:** OEET 251 and consent of instructor.

## **OEET 253. Electrical Apprenticeship VII**

### **6 Credits (6)**

Control devices in commercial/industrial applications; emphasis on logic in-line diagrams, time delay starters, reversing starters, and manual/magnetic solenoids.

**Prerequisites:** OEET 252 and consent of instructor.

## **OEET 254. Electrical Apprenticeship VIII**

### **6 Credits (6)**

Miscellaneous topics for the journeyman electrician to include power distribution/transmission, solid state controls and relays, photoelectric and proximity controls and programmable controllers.

**Prerequisites:** OEET 253 and consent of instructor.

## **OEET 295. Special Topics**

### **1-6 Credits**

Topics to be announced in the Schedule of Classes.