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# ELECTRICIAN TRAINING

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College of the Sequoias' Electrician Training program is an approved training program by the California Division of Labor Standards. Students enrolled in this program are eligible to hold their Electrician Trainee card in order to seek employment with a C-10 contractor and earn their required on-the-job hours. Students completing this certificate will acquire skills in the principles of electricity, circuitry, and power distribution, electrical building and safety codes.



## WHAT YOU WILL LEARN

- Electricity Circuitry •Wire Motor Controls •Power Distribution •Electrical Building & Safety Codes •Motors
- Diagnose Malfunctions & Hazards • Design & Install Service Entrances •Transformer Installation
- Completion of the electrician journeymen exam

## WHERE DO YOU SEE YOURSELF?

Home Repair & Maintenance • Electric Contractor • Electric Service & Utility Provider • Lineman • Inside Wireman  
Maintenance Electrician Technician • Aeronautical Electrician • Industrial Electrician •Facilities Electrician

## PAY RANGE

Average salary for entry-level apprentice electricians is between \$17-25 per hour.

Electricians with 3-4 years of experience can make between \$30-50 per hour.

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## DEGREES & CERTIFICATES OFFERED

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Certificate of Achievement in  
NCCER Electrical Theory – 16 units

Certificate of Achievement in NCCER  
Electrical Applications – 16 units

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## SOME CLASSES YOU MIGHT TAKE

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### **ET 200 Intro to Electrician Training**

This is the first course in a series of state-approved Electrician Training classes. Topics include basic safety, math, tools, blueprints, and rigging. NCCER Modules 1-16.

### **ET 201 Electrician Training 1**

This is an electrical course in a series of state-approved Electrician Training classes. Topics include electrical theory, introduction to NEC codes, electrical blueprints, hand bending, fasteners, anchors, test equipment, raceways, boxes, fittings, and residential wiring.

### **ET 202 Electrician Training 2**

This is an electrical course in a series of state-approved Electrician Training classes. Topics include commercial and industrial wiring, AC motor theory and application, grounding, conduit bending, boxes and fittings, and conductor installations. NCCER Modules 26-32.

### **ET 203 Electrician Training 3**

This is an electrical course in a series of state-approved Electrician Training classes. Topics include voice and data systems, fiber optics, cable tray, conductor terminations and splices, electric services, breakers, contactors and relays, and lighting circuits. This course includes NCCER Modules 27-33.

### **ET 204 Electrician Training 4**

This is an electrical course in a series of state-approved Electrician Training classes. Topics include calculations, overcurrent protection, raceway, box, and fitting fill, wiring devices, and distribution equipment. NCCER Modules 34-40 are covered in this course.

### **ET 205 Electrician Training 5**

This is an electrical course in a series of state-approved Electrician Training classes. Topics include distribution system transformers, lighting, motor calculations, maintenance, and hazardous locations. NCCER Modules 41-47.

### **ET 206 Electrician Training 6**

This is an electrical course in a series of state-approved Electrician Training classes. Topics include load calculations, lighting, standby/emergency systems, electronic theory, fire alarm systems, and specialty transformers. NCCER Modules 48-53.

### **ET 207 Electrician Training 7**

This is an electrical course in a series of state-approved Electrician Training classes. Topics include motor controls, HVAC controls, motor maintenance, high-voltage terminations/splices, foremanship, and NEC code review. NCCER Modules 54-60.