

ELECTRICIAN TRAINING

The 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 Journeyman 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 is between \$17-25 per hour.

Electricians with 3-5 years of experience can make between \$30-50 per hour.

DEGREES & CERTIFICATES OFFERED

Associate of Science in Electrical Technology - 60 units

Certificate of Achievement in NCCER Electrical Applications - 16 units

Certificate of Achievement in NCCER Electrical Theory - 16 units

CLASSES YOU MIGHT TAKE

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 course covers topics in electrical theory, introduction to NEC codes, electrical blue prints, hand bending, fasteners, anchors, test equipment, raceways, boxes, fittings, and residential wiring. NCCER Modules 17-25

ET 202 Electrician Training 2

This course covers topics in 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 course covers topics in voice and data systems, fiber optics, cable tray, conductor terminations and splices, electric services, breakers, contractors and relays, and lighting circuits. This course includes NCCER Modules 27-33.

ET 204 Electrician Training 4

This course covers topics in calculations, overcurrent protection, raceway, box, and fitting fill, wiring devices, and distribution equipment. NCCER Modules 34-40.

ET 205 Electrician Training 5

This courses covers topics in distribution system transformers, lighting, motor calculations, maintenance, and hazardous locations. NCCER Modules 41-47.

ET 206 Electrician Training 6

This course covers topics in load calculations, lighting, standby/emergency systems, electronic theory, fire alarm systems, and specialty transformers. NCCER Modules 48-53.

ET 207 Electrician Training 7

This course covers topics in motor controls, HVAC controls, motor maintenance, high-voltage terminations/splices, foremanship, and NEC code review. NCCER Modules 54-60.

Get Started at [COS.EDU/Apply](https://www.cos.edu/Apply)