

ELECTRICIAN

WHAT WILL I BE DOING?

- Plan layout and installation of electrical wiring, equipment, or fixtures, based on job specifications and local codes.
- Connect wires to circuit breakers, transformers, or other components.
- Test electrical systems or continuity of circuits in electrical wiring, equipment, or fixtures, using testing devices, such as ohmmeters, voltmeters, or oscilloscopes, to ensure compatibility and safety of system.
- Use a variety of tools or equipment, such as power construction equipment, measuring devices, power tools, and testing equipment, such as oscilloscopes, ammeters, or test lamps.

NATIONAL, STATE AND LOCAL WAGE INFORMATION

	Entry Level Hourly Wage	2016 Employment	Projected 2026 Employment
Capital Area	\$16.78	2,777	3,235
Texas	\$16.06	61,475	72,113
United States	\$16.06	666,900	726,500

WHAT JOB TITLES SHOULD I SEARCH FOR?

- Electrician

WHERE COULD I WORK?

- Building Equipment Contractors
- Nonresidential Building Construction
- Support Activities for Mining

KNOWLEDGE AND SKILLS NEEDED

WHAT TYPE OF EDUCATION AND/OR TRAINING WILL I NEED?

Workers in occupations at this level can develop the skills needed for average job performance after obtaining a high school diploma/GED and an apprenticeship.

WILL I NEED A SPECIAL LICENSE OR CERTIFICATION?

Many occupations prefer or require at least one certification for entry or advancement. The Texas Workforce Investment Council has indicated the following as Industry– Based Certifications for this occupation:

- Licensed Electrician

Primary Data Sources: Texas Workforce Commission at texaslmi.com, JobsEQ at jobseq.eqsuite.com, Bureau of Labor Statistics at bls.gov, and CareerOneStop at careerinfonet.org, 2018, Nationwide data for 2019



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OCCUPATIONAL PROFILE

For Staff Use

SOC: 47-2111

CIP: 46.0302

ELECTRICIAN

CAPITAL AREA CAREER LADDER

* Also Included on Targeted Occupation List (PY 2021)

Electrical Engineer

Hourly Wages

- Entry Level: \$37.43
- Median Level: \$51.55

Typical Education & Experience

- Bachelor's Degree

317 new & replacement positions between 2016-2026

Electrical & Electronic Engineering Technician

Hourly Wages

- Entry Level: \$25.24
- Median Level: \$33.59

Typical Education & Experience

- Associate's Degree

417 new & replacement positions between 2016-2026

Electrician

Hourly Wages

- Entry Level: \$16.78
- Median Level: \$24.86

Typical Education & Experience

- High School Diploma or Equivalent
- Apprenticeship

458 new & replacement positions between 2016-2026

*Helper—Electrician

Hourly Wages

- Entry Level: \$9.17
- Median Level: \$15.46

Typical Education & Experience

- High School Diploma or Equivalent
- Short-term on-the-job training

110 new & replacement positions between 2016-2026

This Career Ladder is for illustrative purposes and does not display all pathways for career advancement. For more information or feedback email: CareerLadder@wfscapitalarea.com

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Relay Texas: 1.800.735.2989 (TDD) / 711 (Voice). www.wfscapitalarea.com

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OCCUPATIONAL PROFILE

