

ELECTRICAL & ELECTRONICS ENGINEERING TECHNICIAN

WHAT WILL I BE DOING?

- Test or modify developmental or operational electrical machinery or circuitry in industrial or commercial settings.
- Plan, build, test, repair, and modify developmental and productional electronic components.
- Apply principals and theories of electronics, electrical circuitry, engineering mathematics, and physics.
- Work with other personnel to resolve design or operational problems.
- Prepare contracts, disclosures, or applications.

NATIONAL, STATE AND LOCAL WAGE INFORMATION

	2019 Entry Level Hourly Wages	2018 Employment	Projected 2028 Employment
Capital Area	\$25.24	2,646	2,467
Texas	\$21.99	12,431	13,368
United States	\$18.84	125,800*	127,800*

WHAT JOB TITLES SHOULD I SEARCH FOR?

- Test Technician
- Instrument and Controls Technician

WHERE COULD I WORK?

- Manufacturing facilities
- Federal government facilities
- research and development facilities

KNOWLEDGE AND SKILLS NEEDED

WHAT TYPE OF EDUCATION AND/OR TRAINING WILL I NEED? Workers in occupations at this level usually have an associate's degree with no work experience and no on-the-job training.

WILL I NEED A SPECIAL LICENSE OR CERTIFICATION? Certifications are not required for this field, but they show an advanced level of knowledge. Several organizations offer certification, including the National Institute for Certification in Engineering Technologies (NICET), ETA International, and the International Society of Automation.

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; 2019, US projections are for 2019-2029

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CAPITAL AREA CAREER LADDER

* Also Included on Targeted Occupation List (PY 2021)

Electrical Engineer

Hourly Wages

- Entry Level: \$37.78
- Median Level: \$51.96

Typical Education & Experience

- Bachelor's Degree

309 new & replacement positions between 2018-2028

*Electrical & Electronic Engineering Technician

Hourly Wages

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

Typical Education & Experience

- Associate's Degree

*Electrician

Hourly Wages

- Entry Level: \$16.55
- Median Level: \$24.68

Typical Education & Experience

- High School Diploma or Equivalent
- Apprenticeship

499 new & replacement positions between 2018-2028

Helper—Electrician

Hourly Wages

- Entry Level: \$12.77
- Median Level: \$17.03

Typical Education & Experience

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

57 new & replacement positions between 2018-2028

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

