

CIVIL ENGINEERING TECHNICIAN

WHAT WILL I BE DOING?

- Use technical documents to plan and estimate project requirements.
- Inspect sites and facilities to check if they meet specifications and standards.
- Work with other technical personnel to create designs or operational plans.
- Estimate operational costs, prepare operational reports, create detailed work plans, and prepare project budgets.
- Survey land or bodies of water to measure or determine features

NATIONAL, STATE AND LOCAL WAGE INFORMATION

	2019 Entry Level Hourly Wage	2018 Employment	Projected 2028 Employment
Capital Area	\$19.08	866	926
Texas	\$16.29	11,224	12,009
United States	\$16.29	70,900*	72,700*

WHAT JOB TITLES SHOULD I SEARCH FOR?

- Civil Engineering Assistant
- Design Technician
- Surveying Mapping and Technicians

WHERE COULD I WORK?

- Offices
- Jobsites

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?

Certification is not needed to enter this occupation, but it can help you advance in the field. The National Institute for Certification in Engineering Technologies (NICET) is one of the primary organizations overseeing certifications for civil engineering technicians.

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

OCCUPATIONAL PROFILE



For Staff Use

SOC: 17-3022

CIP: 15.0201

CIVIL ENGINEERING TECHNICIAN

CAPITAL AREA CAREER LADDER

* Also Included on Targeted Occupation List (PY 2021)

Architectural and Engineering Managers

Hourly Wages

- Entry Level: \$53.23
- Median Level: \$76.14

Typical Education & Experience

- Bachelor's Degree
- 5+ years work experience

42 new & replacement positions between 2018-2028

Civil Engineer

Hourly Wages

- Entry Level: \$28.41
- Median Level: \$41.19

Typical Education & Experience

- Bachelor's Degree

269 new & replacement positions between 2018-2028

*Civil Engineering Technician

Hourly Wages

- Entry Level: \$19.08
- Median Level: \$26.96

Typical Education & Experience

- Associate's Degree

60 new & replacement positions between 2018-2028

Surveying & Mapping Technicians

Hourly Wages

- Entry Level: \$14.76
- Median Level: \$19.05

Typical Education & Experience

- High School Diploma or Equivalent
- Moderate-on-the-job training

14 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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