

## Civil Engineering Technicians (17-3022)

**Occupation description:** Apply theory and principles of civil engineering in planning, designing, and overseeing construction and maintenance of structures and facilities under the direction of engineering staff or physical scientists.

### Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	662	645	-2.6	21	34	53
United States	74,500	81,100	8.8	2,500	4,100	7,260

#### Job outlook

**Alaska:** Alaska's employment growth is low with moderate employment opportunities. [Read more.](#)

### 2019 Wages ?

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	26.67	16.29	19.51	25.68	32.25	38.77
Alaska	31.43	20.69	24.64	29.59	37.44	45.75
Anchorage/Mat-Su Area	33.42	20.37	25.71	32.48	40.45	48.08
Fairbanks North Star Borough	26.12	20.82	23.61	25.93	28.53	31.64
Balance of State	28.18	18.30	23.20	28.68	33.70	37.19

### Labor Force Indicators

#### 2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
740	59	8.0	29.8	22.0

#### 2016 Potential Supply

Qualified but working in another occupation	93
Currently employed in a lower paid occupation	14
UI claimants previously working in occupation	92

#### 2016 ALEXsys Employment Data

Number of registrants	131
Number of job position postings	23
Ratio of registrants to job position postings	5.7

## Typical Entry-level Education, Experience, and/or On-the-job Training

**Education:** Associate's degree

**Work experience:** None

**On-the-job training:** None

### Training Resources

	<b>Degree</b>
<b>Alaska Technical Center (Kotzebue)</b>	
Construction Trades/Plumbing Systems/Electrical Systems	

	<b>Degree</b>
<b>University of Alaska Anchorage, Kodiak (Kodiak)</b>	
Construction Technology	CT1

	<b>Degree</b>
<b>University of Alaska Anchorage, Mat-Su (Palmer)</b>	
Residential Air Condition & Refrigeration	OEC
Residential Heat/Vent	OEC

	<b>Degree</b>
<b>University of Alaska Southeast, Juneau (Juneau)</b>	
Construction Technology	AAS
Construction Technology	CT2
Construction Technology	OEC

	<b>Degree</b>
<b>University of Alaska Southeast, Sitka (Sitka)</b>	
Construction Technology	OEC