

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.](#)

2018 Wages

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	26.29	16.01	19.31	25.28	31.43	38.27
Alaska	34.64	22.81	28.40	35.10	39.82	46.47
Anchorage/Mat-Su Area	34.75	23.26	29.91	35.32	39.46	46.37
Fairbanks North Star Borough	34.32	22.96	27.72	32.97	40.29	44.95
Balance of State	34.55	22.03	27.29	35.49	42.45	48.64

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

	Degree
Alaska Technical Center (Kotzebue)	
Construction Trades/Plumbing Systems/Electrical Systems	
Electrical Systems/Heating Systems/Plumbing Systems	

	Degree
University of Alaska Anchorage, Kodiak (Kodiak)	
Construction Technology	CT1

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

	Degree
University of Alaska Southeast, Juneau (Juneau)	
Construction Technology	AAS
Construction Technology	CT2
Construction Technology	OEC

	Degree
University of Alaska Southeast, Sitka (Sitka)	
Construction Technology	OEC