

Electrical and Electronic Engineering Technicians (17-3023)

Occupation description: Apply electrical and electronic theory and related knowledge, usually under the direction of engineering staff, to design, build, repair, calibrate, and modify electrical components, circuitry, controls, and machinery for subsequent evaluation and use by engineering staff in making engineering design decisions. Excludes Broadcast Technicians (27-4012).

Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	268	268	0.0	9	14	23
United States	137,000	139,800	2.0	4,400	7,300	11,970

Job outlook

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

2018 Wages ?

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	31.27	18.32	23.86	30.93	37.34	45.74
Alaska	39.79	25.52	33.59	41.34	46.62	50.20
Anchorage/Mat-Su Area	39.48	20.96	33.25	40.15	47.31	53.58
Fairbanks North Star Borough	40.14	29.55	34.60	42.44	46.33	49.00
Balance of State	*	*	34.60	*	46.33	*

* indicates the estimate is not available, or the hourly wage is greater than \$100, or the annual wage is greater than \$208,000.

Labor Force Indicators

2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
261	78	29.9	46.9	37.2

2016 Potential Supply

Qualified but working in another occupation	81
Currently employed in a lower paid occupation	18
UI claimants previously working in occupation	31

2016 ALEXsys Employment Data

Number of registrants	186
Number of job position postings	45

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 Works (Anchorage)

Pipeline Training

Degree

Thomas Edison State University (Eielson AFB)

Applied Science and Technology in Electronic Systems Engineering Technology

BS

Degree

University of Alaska Anchorage (Anchorage)

Technology

BS

Degree

University of Alaska Anchorage, Kodiak (Kodiak)

Technology

AAS

Degree

Vocational Training and Resource Center (Juneau)

Basic Electronics

Electronics Technician

Telecommunications Technician