

Electrical Engineers (17-2071)

Occupation description: Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use. Excludes Computer Hardware Engineers (17-2061).

Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	286	290	1.4	7	12	19
United States	188,300	204,500	8.6	4,400	7,900	13,920

Job outlook

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

2019 Wages

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	49.75	30.30	37.06	47.37	60.35	74.94
Alaska	53.11	27.24	38.03	51.00	63.79	78.58
Anchorage/Mat-Su Area	52.97	24.31	36.76	49.71	64.06	79.92
Balance of State	56.29	36.85	48.60	57.96	67.56	76.14

Labor Force Indicators

2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
256	45	17.6	46.9	41.1

2016 Potential Supply

Qualified but working in another occupation	59
Currently employed in a lower paid occupation	37
UI claimants previously working in occupation	35

2016 ALEXsys Employment Data

Number of registrants	68
Number of job position postings	19
Ratio of registrants to job position postings	3.6

Alaska Licensing Information

Engineer – [View licensing requirements and number licensed](#)

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

Education: Bachelor's degree

Work experience: None

On-the-job training: None

Training Resources

	Degree
University of Alaska Anchorage (Anchorage)	
Electrical Engineering	BS
University of Alaska Fairbanks (Fairbanks)	
Electrical Engineering	BS
Electrical Engineering	MEE
Vocational Training and Resource Center (Juneau)	
Drafting with AutoCAD	

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