

Materials Engineers (17-2131)

Occupation description: Evaluate materials and develop machinery and processes to manufacture materials for use in products that must meet specialized design and performance specifications. Develop new uses for known materials. Includes those engineers working with composite materials or specializing in one type of material, such as graphite, metal and metal alloys, ceramics and glass, plastics and polymers, and naturally occurring materials. Includes metallurgists and metallurgical engineers, ceramic engineers, and welding engineers.

Employment and Job Openings

	Average employment			Average annual openings		
	2014 estimate	2024 projection	Percent change	Growth	Replacement	Total
Alaska	51	50	-2.0	0	2	2
United States	25,300	25,600	1.3	30	890	920

Job outlook

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

2015 Wages ?

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	45.53	25.54	33.43	43.90	56.77	69.57
Alaska	*	*	*	*	*	*

* 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

2014 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
57	31	54.4	53.8	50.0

2014 Potential Supply

Qualified but working in another occupation	21
Currently employed in a lower paid occupation	16
UI claimants previously working in occupation	11

2014 ALEXsys Employment Data

Number of registrants	25
Number of job position postings	3
Ratio of registrants to job position postings	8.3

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
Vocational Training and Resource Center (Juneau)	
Drafting with AutoCAD	

Department of Labor and Workforce Development, Research and Analysis Section
P.O. Box 115501
Juneau, Alaska 99811-5501
Phone: 907.465.4500, Fax: 907.523.9654
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