

## 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

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	39	42	7.7	1	2	3
United States	27,000	27,500	1.6	900	1,000	1,940

#### 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	47.06	27.57	34.82	44.88	57.78	71.62
Alaska	44.87	27.69	31.59	39.98	57.48	66.14

### Labor Force Indicators

#### 2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
53	30	56.6	48.4	41.9

#### 2016 Potential Supply

Qualified but working in another occupation	10
Currently employed in a lower paid occupation	10
UI claimants previously working in occupation	10

#### 2016 ALEXsys Employment Data

Number of registrants	29
Number of job position postings	2
Ratio of registrants to job position postings	14.5

## 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
<b><a href="#">Vocational Training and Resource Center (Juneau)</a></b>	
<a href="#">Drafting with AutoCAD</a>	

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