

## Chemical Engineers (17-2041)

**Occupation description:** Design chemical plant equipment and devise processes for manufacturing chemicals and products, such as gasoline, synthetic rubber, plastics, detergents, cement, paper, and pulp, by applying principles and technology of chemistry, physics, and engineering.

### Employment and Job Openings

	Employment			Average annual openings		
	2014 estimate	2024 projection	Percent change	Growth	Replacement	Total
Alaska	64	61	-4.7	0	2	2
United States	34,300	34,900	1.8	60	940	1,000

#### Job outlook

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

### 2017 Wages ?

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	54.05	29.92	37.99	49.12	63.00	81.29
Alaska	66.04	40.03	46.80	64.28	81.68	95.48
Anchorage/Mat-Su Area	63.40	41.61	45.78	61.40	78.46	92.58

### Labor Force Indicators

#### 2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
84	20	23.8	51.4	41.7

#### 2016 Potential Supply

Qualified but working in another occupation	7
Currently employed in a lower paid occupation	4
UI claimants previously working in occupation	9

#### 2016 ALEXsys Employment Data

Number of registrants	30
Number of job position postings	1
Ratio of registrants to job position postings	30.0

## 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>Conscious Solutions (Anchorage)</b>	
Change & Time Management	
<b>Degree</b>	
<b>Nu-Solutions Consulting (Anchorage)</b>	
Advanced Primavera P6, Fundamentals Professional Client, Course 106-P	Certificate
Advanced Project Modeling and Estimating, Class E-201	Certificate
Essentials of HD Performance HD P101	
Essentials of Project Modeling and Estimating, Class E-101	Certificate
Managing Risk in Primavera Risk Analysis, Course 501	
Migrating from P3 to Primavera P6	
Oracle Primavera Contract Management, Course 201	Certificate
Primavera P6 Advanced	
Primavera P6 Analytics 11g	
Primavera P6 Fundamentals Rel15 (P6 Web), Course 101	Certificate
Primavera P6 Professional Fundamentals, Course 102	Certificate
Primavera P6 Reporting with BI Publisher 11g	
Primavera P6, Application Administration 15, Course 106-A	Certificate
Project Management in Oracle Primavera Contractor, Course 700	
Resource Management in Oracle Primavera P6, Course 106-R	Certificate
Resource Management in Oracle Primavera Web Access, Course 107	Certificate
<b>Degree</b>	
<b>University of Alaska Anchorage (Anchorage)</b>	
Project Management	MS

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