

Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Occupation description: Promote worksite or product safety by applying knowledge of industrial processes, mechanics, chemistry, psychology, and industrial health and safety laws. Includes industrial product safety engineers.

Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	246	243	-1.2	6	10	16
United States	25,900	28,100	8.6	600	1,100	1,920

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	45.58	25.79	33.14	43.95	56.94	69.18
Alaska	41.61	17.14	26.65	37.84	49.36	72.47
Anchorage/Mat-Su Area	43.49	16.57	18.44	39.31	56.77	81.89
Balance of State	37.30	25.55	32.83	37.15	42.38	48.56

Labor Force Indicators

2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
288	90	31.3	55.8	39.9

2016 Potential Supply

Qualified but working in another occupation	67
Currently employed in a lower paid occupation	47
UI claimants previously working in occupation	54

2016 ALEXsys Employment Data

Number of registrants	153
Number of job position postings	53
Ratio of registrants to job position postings	2.9

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

ABC of Alaska (Anchorage)

Confined Space Entry	
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Degree

Alaska Petroleum Academy (Kenai)

Confined Space Entry (8 Hours)	
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Confined Space Rescue (16 Hours)	
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Cook Inlet Training Standards/24 Hour Hazwoper	
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Cook Inlet Training Standards/Hazwoper Refresher (8 Hours)	
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Petroleum Chemical Health and Safety (16 Hours)	
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Petroleum Chemical Health and Safety Refresher (8 Hours)	
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Degree

Alaska Teamster-Employer Service Training Trust (Anchorage)

North Slope Training Cooperative	
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Degree

Alaska West Training Center (Fairbanks)

Hydrogen Sulfide - H2S	
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Permit Required Confined Space Entry - S01	
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Permit Required Confined Space Entry and Fire Watch - S01a	
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Permit Required Confined Space Rescue - S02	
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Petroleum Technician - ER06	
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Petroleum Workers Safety and Health - S05	
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Unescorted Module - NSTC01	
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Unescorted Module Update/Refresher - NSTC02	
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Degree

Alaska Works (Anchorage)

Pipeline Training	
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Degree

AVTEC (Seward)

Confined Space Entry/Rescue	
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Degree

Beacon Occupational Health and Safety Services (Anchorage)

Confined Space Entry (OSHA and NSTC Offered)	
Confined Space Rescue (OSHA)	
Cook Inlet Training Standards & Industrial Safety (CITS)	Certificate
North Slope Training Cooperative (NSTC), Optional H2S/FES	Certificate

Degree

Environmental Management Inc (Anchorage)

Asbestos Abatement Certification	Certificate
Confined Space Procedures	Certificate
EPA/AHERA Inspector Initial	Certificate
EPA/AHERA Management Planner Initial	Certificate
EPA/AHERA Management Planner Refresher	Certificate
EPA/AHERA Project Design Initial - 24 Hours	Certificate
EPA/AHERA Project Design Refresher	Certificate
NSTC 6 PACK + H2S Module	Certificate

Degree

Iisagvik College (Barrow)

Industrial Safety, Level 1	Endorsement
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Degree

LTR Training Systems, Inc. (Anchorage)

Bear Awareness & Handgun Defense	
Confined Space Entry	
Confined Space Rescue	
Fall Protection - Basic/Authorized	
Fall Protection -Tower Climbing & Rescue	

Degree

Northern Industrial Training (Palmer)

Confined Space Entry/011	
Confined Space Entry/011	
Energy Isolation - Lockout/Tag out/018	
NSTC ASH Update / 003	
NSTC Confined Space Entry / 004	
NSTC Energy Isolation / 005	
NSTC Fall Protection / 006	

NSTC Hydrogen Sulfide (H2S) Module/002	
NSTC Respiratory Protection /007	
NSTC Unescorted/001	
PEC Premier Basic Orientation / 051	
PEC Premier Core Compliance / 052	

	Degree
Satori Group Inc (Anchorage)	
AHERA Building Inspector Initial	Certificate
AHERA Building Inspector Refresher	Certificate
Asbestos Contractor/Supervisor Initial	Certificate
Asbestos Contractor/Supervisor Refresher	Certificate
Confined Space Entry	Certificate

	Degree
University of Alaska, Mining and Petroleum Training Service (Soldotna)	
Confined Space Entry	
North Slope Training Consortium (NTSC)	

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