

Welders, Cutters, Solderers, and Brazers (51-4121)

Occupation description: Use hand-welding, flame-cutting, hand soldering, or brazing equipment to weld or join metal components or to fill holes, indentations, or seams of fabricated metal products.

Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	642	674	5.0	18	51	72
United States	404,800	427,300	5.6	11,100	32,500	45,850

Job outlook

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

2019 Wages

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	21.73	14.17	16.80	20.43	25.17	30.89
Alaska	32.09	19.98	25.52	32.51	38.55	45.33
Anchorage/Mat-Su Area	33.32	20.87	26.23	33.43	40.82	46.67
Fairbanks North Star Borough	34.24	22.92	28.25	35.28	41.19	46.47
Balance of State	30.92	19.11	24.75	31.52	37.39	43.37

Labor Force Indicators

2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
1,031	330	32.0	36.2	25.7

2016 Potential Supply

Qualified but working in another occupation	262
Currently employed in a lower paid occupation	56
UI claimants previously working in occupation	334

2016 ALEXsys Employment Data

Number of registrants	1,099
Number of job position postings	73
Ratio of registrants to job position postings	15.1

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

Education: High school diploma or equivalent

Work experience: None

On-the-job training: Moderate-term on-the-job training

Training Resources

	Degree
Construction Technology	

	Degree
ABC of Alaska (Anchorage)	
Confined Space Entry	
Fall Protection	
Fire Detection and Protection	
Fire Prevention	
Hazard Communication	
Hazard Recognition Training, 16-Hour EM 385-1-1	
Hazard Recognition Training, 40-Hour EM 385-1-1	
Health Hazards in Construction	
Introduction to OSHA - Construction	
Introduction to OSHA - General Industry	
Lockout and Tagout	
Machine Guarding	
OSHA 10-Hour Outreach for Construction	
OSHA 10-Hour Outreach for General Industry	
OSHA 30-Hour Outreach for Construction	
OSHA 30-Hour Outreach for General Industry	
Personal Protective Equipment	
Safety Programs and Subpart C	
Stairways and Ladders	
Walking and Working Surfaces	
Welding and Cutting	

	Degree
Alaska Petroleum Academy (Kenai)	
Confined Space Entry (8 Hours)	
Confined Space Rescue (16 Hours)	

	Degree

Alaska Teamster-Employer Service Training Trust (Anchorage)

OSHA 10 Hour General Construction	
OSHA 30 Hour General Construction	

Degree

Alaska West Training Center (Fairbanks)

Fall Protection - S08	
Permit Required Confined Space Entry - S01	
Permit Required Confined Space Entry and Fire Watch - S01a	
Permit Required Confined Space Rescue - S02	

Degree

Alaska Works (Anchorage)

Pipeline Training	
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Degree

American Health and Safety, LLC (Fairbanks)

OSHA 10 Hours	
OSHA 30 Hours	

Degree

AVTEC (Seward)

Combination Welding	Certificate
Confined Space Entry/Rescue	

Degree

Beacon Occupational Health and Safety Services (Anchorage)

Confined Space Entry (OSHA and NSTC Offered)	
Confined Space Rescue (OSHA)	
Respiratory Protection	

Degree

Center for Employment Education (Anchorage)

OSHA 10 hour	
OSHA 30 hour	

Degree

Charter College, Anchorage (Anchorage)

Welding	Certificate
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Degree

Environmental Management Inc (Anchorage)

Confined Space Procedures	Certificate
OSHA 10/30 Hour General Industry	
OSHA Construction Outreach - 10 Hours	Certificate
OSHA Construction Outreach - 30 Hours	Certificate
OSHA General Industry Outreach - 30 Hours	Certificate

Degree	
Iisagvik College (Barrow)	

Welding Materials Technology	Endorsement
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Degree	
LTR Training Systems, Inc. (Anchorage)	

Bear Awareness & Handgun Defense	
Confined Space Entry	
Confined Space Rescue	

Degree	
Northern Industrial Training (Palmer)	

Advanced Welding/W403	
Aluminum Welding Training/W413	
Aluminum Welding/W413	
Confined Space Entry/011	
Confined Space Entry/011	
Elite Combo/COMBO507	Cer/CDL
Energy Isolation-Lockout/Tag Out/018	
Fabrication Welding/W415	
OSHA 10 Hour Construction / 020 Training	
OSHA 10 Hour General Industry / 021	
OSHA 30 Hour Construction / 022	
OSHA 30 Hour General Industry / 023	
Pipe Welding/W414	
Structural Welding Level One/W400	
Ultimate Welding Program/W404	

Degree	
Partners for Progress in Delta, Inc (Delta Junction)	

Welding & Materials Technology	
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Degree	
Plumbers & Steamfitters Joint Apprenticeship Training Committee (Anchorage)	

Plumbers and Pipefitters Apprenticeship	
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Degree	
Satori Group Inc (Anchorage)	
Confined Space Entry	Certificate
OSHA Outreach Training, 10 Hour	Certificate
OSHA Outreach Training, 30 Hour	Certificate
Degree	
Southwest Alaska Vocational and Education Center (Igiugig)	
Tank Farm Welding Certification	Certificate
Welding	Certificate
Degree	
TSS - The Safety Specialists (Ketchikan)	
OSHA Compliance Training	
Degree	
University of Alaska Anchorage (Anchorage)	
Advanced Welding	OEC
Industrial Welding Technology	CT1
Welding Technology	AAS
Degree	
University of Alaska Anchorage, Kenai (Soldotna)	
Welding Technology	CT2
Degree	
University of Alaska Anchorage, Kodiak (Kodiak)	
Welding	CT1
Degree	
University of Alaska Fairbanks, CTC (Fairbanks)	
Entry Level Welder	OEC
Degree	
University of Alaska Southeast, Ketchikan (Ketchikan)	
Welding Technology	CT2
Welding Technology	OEC
Degree	
University of Alaska Southeast, Sitka (Sitka)	
Welding	OEC

Welding Technology	CT1
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Welding Technology	OEC
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	Degree
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University of Alaska, Mining and Petroleum Training Service (Soldotna)

Confined Space Entry	
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