

# Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders (51-4122)

**Occupation description:** Set up, operate, or tend welding, soldering, or brazing machines or robots that weld, braze, solder, or heat treat metal products, components, or assemblies. Includes workers who operate laser cutters or laser-beam machines.

## Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
<b>Alaska</b>	n/a	n/a	n/a	n/a	n/a	n/a
<b>United States</b>	49,200	44,200	-10.2	1,200	3,700	4,400

### Job outlook

**Alaska:** The job outlook for Alaska is not available.

## 2018 Wages ?

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
<b>United States</b>	18.83	12.59	14.93	18.11	22.19	26.15

## Labor Force Indicators

### 2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
29	13	44.8	57.9	52.6

### 2016 Potential Supply

<b>Qualified but working in another occupation</b>	4
<b>Currently employed in a lower paid occupation</b>	0
<b>UI claimants previously working in occupation</b>	6

### 2016 ALEXsys Employment Data

<b>Number of registrants</b>	109
<b>Number of job position postings</b>	4
<b>Ratio of registrants to job position postings</b>	27.2

## 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**

### ABC of Alaska (Anchorage)

Welding and Cutting	
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**Degree**

### AVTEC (Seward)

Combination Welding	Certificate
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Pipe Welding	Certificate
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Structural Welding	Certificate
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**Degree**

### Charter College, Anchorage (Anchorage)

Welding	Certificate
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**Degree**

### Galena Interior Learning Academy (Galena)

Construction Technology	
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**Degree**

### Iisagvik College (Barrow)

Welding Materials Technology	Endorsement
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**Degree**

### Northern Industrial Training (Palmer)

Advanced Welding/W403	
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Aluminum Welding Training/W413	
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Aluminum Welding/W413	
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Elite Combo/COMBO507	Cer/CDL
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Fabrication Welding/W415	
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NCCER Welding Level 1	Certificate
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NCCER Welding Level 2	Certificate
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NCCER Welding Level 3	Certificate
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NCCER Welding Level 4	Certificate
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Pipe Welding/W414	
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Structural Welding Level One/W400	
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Ultimate Welding Program/W404	
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**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**

**Southwest Alaska Vocational and Education Center (Igiugig)**

Tank Farm Welding Certification	Certificate
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Welding	Certificate
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**Degree**

**University of Alaska Anchorage (Anchorage)**

Advanced Welding	OEC
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Industrial Welding Technology	CT1
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Welding Technology	AAS
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**Degree**

**University of Alaska Anchorage, Kenai (Soldotna)**

Welding Technology	CT2
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**Degree**

**University of Alaska Anchorage, Kodiak (Kodiak)**

Welding	CT1
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**Degree**

**University of Alaska Fairbanks, CTC (Fairbanks)**

Entry Level Welder	OEC
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**Degree**

**University of Alaska Southeast, Ketchikan (Ketchikan)**

Welding Technology	CT2
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Welding Technology	OEC
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**Degree**

**University of Alaska Southeast, Sitka (Sitka)**

Welding	OEC
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Welding Technology	CT1
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Welding Technology	OEC
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