

## Plumbers, Pipefitters, and Steamfitters (47-2152)

**Occupation description:** Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. Includes sprinklerfitters.

### Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	1,481	1,480	-0.1	54	99	153
United States	480,600	555,800	15.6	18,800	34,700	61,020

#### Job outlook

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

### 2018 Wages

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	27.96	15.43	19.35	25.92	34.20	45.05
Alaska	36.31	25.16	28.76	35.85	43.91	48.90
Anchorage/Mat-Su Area	37.02	23.93	28.39	37.07	45.38	50.73
Fairbanks North Star Borough	36.05	25.96	29.18	36.63	43.32	47.26
Balance of State	34.66	26.34	29.26	34.19	39.24	46.06

### Labor Force Indicators

#### 2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
1,894	434	22.9	35.9	26.4

#### 2016 Potential Supply

Qualified but working in another occupation	346
Currently employed in a lower paid occupation	220
UI claimants previously working in occupation	583

#### 2016 ALEXsys Employment Data

Number of registrants	721
Number of job position postings	69
Ratio of registrants to job position postings	10.4

## Alaska Licensing Information

Gas Piping and Plumbing, Journeyman and Trainee – [View licensing requirements and number licensed](#)

Plumber – [View licensing requirements and number licensed](#)

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

**Education:** High school diploma or equivalent

**Work experience:** None

**On-the-job training:** Apprenticeship

## Training Resources

	Degree
<b>ABC of Alaska (Anchorage)</b>	
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	
Pipefitter Apprenticeship	
Safety Programs and Subpart C	
Sprinkler Fitter Apprenticeship	
Stairways and Ladders	
Walking and Working Surfaces	

	Degree
<b>Alaska Teamster-Employer Service Training Trust (Anchorage)</b>	
OSHA 10 Hour General Construction	

OSHA 30 Hour General Construction	
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<b>Degree</b>
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**Alaska Technical Center (Kotzebue)**

Basic Plumbing	
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Construction Trades	
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Construction Trades/Plumbing Systems/Electrical Systems	
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Electrical Systems/Heating Systems/Plumbing Systems	
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NCCER Core Curriculum	
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<b>Degree</b>
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**Alaska West Training Center (Fairbanks)**

Fall Protection - S08	
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<b>Degree</b>
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**Alaska Works (Anchorage)**

Pipeline Training	
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<b>Degree</b>
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**American Health and Safety, LLC (Fairbanks)**

OSHA 10 Hours	
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OSHA 40 Hours	
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<b>Degree</b>
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**AVTEC (Seward)**

Plumbing and Heating	Certificate
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<b>Degree</b>
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**Center for Employment Education (Anchorage)**

OSHA 10 hour	
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OSHA 30 hour	
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<b>Degree</b>
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**Environmental Management Inc (Anchorage)**

OSHA 10/30 Hour General Industry	
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OSHA Construction Outreach - 10 Hours	Certificate
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OSHA Construction Outreach - 30 Hours	Certificate
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OSHA General Industry Outreach - 30 Hours	Certificate
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Trenching, Excavating & Shoring	Certificate
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<b>Degree</b>
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**Fairbanks Area Plumber and Pipefitters (Fairbanks)**

Plumbing and Pipefitting Apprenticeship	
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<b>Degree</b>
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**Ilisagvik College (Barrow)**

Pipefitting I	Endorsement
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Plumbing I	Endorsement
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<b>Degree</b>
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**Northern Industrial Training (Palmer)**

Energy Isolation-Lockout/Tag Out/018	
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NCCER Pipefitting Level 1/W409	Certificate
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NCCER Pipefitting Level 2/W410	Certificate
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NCCER Pipefitting Level 3/W411	Certificate
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NCCER Pipefitting Level 4/W412	Certificate
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OSHA 10 Hour Construction / 020 Training	
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OSHA 10 Hour General Industry / 021	
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OSHA 30 Hour Construction / 022	
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OSHA 30 Hour General Industry / 023	
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<b>Degree</b>
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**Plumbers & Steamfitters Joint Apprenticeship Training Committee (Anchorage)**

Plumbers and Pipefitters Apprenticeship	
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<b>Degree</b>
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**Satori Group Inc (Anchorage)**

OSHA Outreach Training, 10 Hour	Certificate
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OSHA Outreach Training, 30 Hour	Certificate
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Trenching and Excavation Competent Person Training	Certificate
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<b>Degree</b>
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**Southwest Alaska Vocational and Education Center (Igiugig)**

Carpentry & Plumbing	Certificate
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<b>Degree</b>
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**TSS - The Safety Specialists (Ketchikan)**

OSHA Compliance Training	
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<b>Degree</b>
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**Wisdom & Associates, Inc. (Kenai)**

2009 Uniform Plumbing Code	
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2009 Uniform Plumbing Code, Alternative Pipe Sizing Methods	
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2009 Uniform Plumbing Code, Water Heaters	
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2012 Uniform Plumbing Code	
2012 Uniform Plumbing Code, Water Heaters	
Domestic Water Heating & Consumption	
Domestic Water Heating & Consumption - AHFC Sponsored	

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