

## Carpenters (47-2031)

**Occupation description:** Construct, erect, install, or repair structures and fixtures made of wood, such as concrete forms; building frameworks, including partitions, joists, studding, and rafters; and wood stairways, window and door frames, and hardwood floors. May also install cabinets, siding, drywall and batt or roll insulation. Includes brattice builders who build doors or brattices (ventilation walls or partitions) in underground passageways

### Employment and Job Openings

	Employment			Average annual openings		
	2016 estimate	2026 projection	Percent change	Labor force exits	Occupation transfers	Total
Alaska	2,254	2,350	4.3	79	128	217
United States	1,025,600	1,109,400	8.2	36,700	59,300	104,380

#### Job outlook

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

### 2019 Wages ?

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	25.41	14.51	17.86	23.24	30.31	40.72
Alaska	31.74	21.46	25.70	31.32	36.75	40.39
Anchorage/Mat-Su Area	32.08	21.50	25.28	32.33	37.08	40.72
Fairbanks North Star Borough	33.80	16.41	21.70	33.22	37.87	65.51
Balance of State	30.79	23.34	26.33	29.77	35.76	39.55

### Labor Force Indicators

#### 2016 Worker Characteristics

Total workers	Nonresident workers	Percent nonresident	Percent age 45 plus	Percent age 50 plus
3,580	747	20.9	37.7	28.0

#### 2016 Potential Supply

Qualified but working in another occupation	818
Currently employed in a lower paid occupation	507
UI claimants previously working in occupation	1,065

#### 2016 ALEXsys Employment Data

Number of registrants	3,613
Number of job position postings	203
Ratio of registrants to job position postings	17.8

## 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
<a href="#">Advanced Framing Techniques</a>	
<a href="#">AK Warm - Energy Use Software, an Introduction for Builders</a>	
<a href="#">AK Warm Basics 101</a>	
<a href="#">AKWarm for Building Energy Design and Analysis</a>	
<a href="#">Appropriate Sustainable Design of Buildings and Constructions</a>	
<a href="#">BEES - Alaska Building Energy Efficiency Standard</a>	
<a href="#">BEES Certification 2008</a>	
<a href="#">Blueprint Reading Basics</a>	
<a href="#">Breathing in Buildings – 3-Hour</a>	
<a href="#">Breathing in Buildings - 4-Hour</a>	
<a href="#">Build America in Alaska</a>	
<a href="#">Build America Program: Help for Builders</a>	
<a href="#">Building on the Edge: Better Building through Common Sense</a>	
<a href="#">Building Science and Technology in the North</a>	
<a href="#">Building Science for Dummies</a>	
<a href="#">Building the P.E.R.S.I.S.T. House</a>	
<a href="#">Changes to IRC for 2006</a>	
<a href="#">Climate Change Impact on Shelter and Infrastructure in the North</a>	
<a href="#">CO - Are You Alarmed: 1-Hour</a>	
<a href="#">CO - Are You Alarmed: 2-Hour</a>	
<a href="#">Cold Climate Homebuilding: Contractor Residential Endorsement Workshop</a>	
<a href="#">Cold Climate Homebuilding: Foundations</a>	
<a href="#">Cold Climate Homebuilding: Making Houses Work</a>	
<a href="#">Cold Climate Homebuilding: Walls</a>	
<a href="#">Complying with Ventilations Requirements of BEES</a>	
<a href="#">Construction Planning and Management: Rural Focus</a>	
<a href="#">Construction Planning and Management: Urban Focus</a>	

	Degree
<a href="#">Construction Technology</a>	

	Degree
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Energy Programs in Alaska	
Energy Retrofit of an Existing Home	
Energy, Alternative Energy Systems and Infrastructure	
Foundations and Crawl Space Ventilations	
Getting to Zero Energy in Alaska Homes	
Green Building Products	
Hand and Power Tool Safety	
Health House 1: The Health House Advantage	
Health House 2: Building the Health House	
Healthy Air: What You Should Know about the Air You Breathe	
Introduction to Green Building	
Introduction to Green Building - 4 hour version	
Introduction to Solar Energy Design	
Introduction to Solar Thermal Energy	
Is Your Garage Making You Sick: House-Garage Connection	
Log Homebuilding Design and Techniques: 06-Hour	
Log Homebuilding Design and Techniques: 08-Hour	
Log Homebuilding Design and Techniques: 16-Hour	
Maritime Building Considerations: 1-Hour	
Maritime Building Considerations: 2-Hour	
Mold and Moisture in the Healthy House	
Multi-Family Buildings: How are they Different from Single Family Homes	
NAHB Green Building Guide Section 1: Introduction and Lot Design, Preparation and Development	
NAHB Green Building Guide Section 2: Resource Efficiency	
NAHB Green Building Guide Section 3a: Energy Efficiency 1	
NAHB Green Building Guide Section 3b: Energy Efficiency 2	
NAHB Green Building Guide Section 4: Water Efficiency	
NAHB Green Building Guide Section 5: Indoor Environment Quality	
NAHB Green Building Guide Section 6: Operation, Maintenance, and Homeowner Education	
NAHB Green Building Guide Section 7: Global Impact	
NAHB Green Building Guide Section 8: Sustainable Community Development	
NAHB Green Building Guidelines Section 2: Resource Efficiency	
NAHB Green Building Guidelines: Building Green in Alaska	
No Birds Just BEES	
Of Mold, Moisture and Other Things	
Passive Ventilation	
Preventing and Solving Air Quality Problems in Homes	
Proposed Changes to BEES	

Radon Control Strategies for New and Existing Homes	
Remote Construction Techniques	
Solutions to Preventing Moisture Scare	
Summer Symposium	
Sustainable and Appropriate Shelter Issues for First Nations Peoples	
The Business Case for Green Building Development	
The Effect Energy has on Building Development	
The How's and Whys of Building Diagnostics	
The Nature of Wood: 1-Hour	
The Nature of Wood: 2-Hour	
The New State of the Art CCHRC Research and Testing Facility	
Trusses	
Ventilation Strategies for Existing Homes	
Ventilation Strategies for New Homes	
Ventilation System Design and Installation	
Ventilation: Understanding ASHRAE 62.2	
What's New in Residential Building Codes	
Where Health and Housing Meet	

	<b>Degree</b>
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**ABC of Alaska (Anchorage)**

Carpenter Apprenticeship	
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	
Plumbing Apprenticeship	
Safety Programs and Subpart C	

Scaffolds	
Stairways and Ladders	
Walking and Working Surfaces	

	<b>Degree</b>
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**Alaska Carpenters Training Trust (Anchorage)**

Carpentry/Carpenter Apprenticeship	Certificate
Scaffold Erector	

	<b>Degree</b>
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**Alaska Craftsman Home Program (Anchorage)**

Advanced Cold Climate Home Building Techniques	
Building Energy Efficiency Standard	

	<b>Degree</b>
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**Alaska Housing Finance Corporation (Anchorage)**

Air Leakage	
Building Compliance Certification 2012	
Building Science Basics	
Crawlspaces	
Doors and Windows	
Ice Dams	
Lighting and Appliances	
Secrets and Science of Energy Efficiency	

	<b>Degree</b>
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**Alaska Job Corps (Palmer)**

Carpentry Helper - Level 1	
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	<b>Degree</b>
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**Alaska Teamster-Employer Service Training Trust (Anchorage)**

OSHA 10 Hour General Construction	
OSHA 30 Hour General Construction	

	<b>Degree</b>
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**Alaska Technical Center (Kotzebue)**

Construction Trades	
Construction Trades/Plumbing Systems/Electrical Systems	
NCCER Carpentry	
NCCER Core Curriculum	

	<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)**

Electrical Pre-Apprenticeship Training	
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Pipeline Training	
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Women in the Trades	
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	<b>Degree</b>
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**American Health and Safety, LLC (Fairbanks)**

Aerial and Scissor Lift Training	
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Fall Protection	
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OSHA 10 Hours	
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OSHA 30 Hours	
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	<b>Degree</b>
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**Amundsen Educational Center (Soldotna)**

Advanced Residential Construction	Voc Diploma
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Residential Construction	Voc Diploma
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	<b>Degree</b>
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**AVTEC (Seward)**

Construction Technology	
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	<b>Degree</b>
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**Beacon Occupational Health and Safety Services (Anchorage)**

Fall Protection (NSTC and OSHA Offered)	
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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)**

EPA/Lead Renovation, Repair, and Painting	Certificate
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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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Scaffold Safety and Fall Protection	Certificate
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Degree	
<b>Fairbanks Carpenter Training Center (Fairbanks)</b>	
Carpentry Apprenticeship	
Carpentry Journeyman Skills Enhancement	

Degree	
<b>Iisagvik College (Barrow)</b>	
Carpentry I	Endorsement
Construction Management	Endorsement
Construction Technology	AAS
Construction Technology I	Certificate
Construction Technology II	Certificate
Scaffolding I	Endorsement

Degree	
<b>Northern Industrial Training (Palmer)</b>	
Aerial Lift/008	
Energy Isolation-Lockout/Tag Out/018	
Fall Protection Authorized User	
Fall Protection Competent Person / 015	
Fall Protection Introduction to Industrial Rescue/014	
Fall Protection, Introduction to Industrial Rescue/014	
OSHA 10 Hour Construction / 020 Training	
OSHA 10 Hour General Industry / 021	
OSHA 30 Hour Construction / 022	
OSHA 30 Hour General Industry / 023	
OSHA Aerial Platform - Manlift in Alaska	

Degree	
<b>Partners for Progress in Delta, Inc (Delta Junction)</b>	
Basic Hand & Power Tools	

Degree	
<b>Satori Group Inc (Anchorage)</b>	
Fall Protection	
OSHA Outreach Training, 10 Hour	Certificate
OSHA Outreach Training, 30 Hour	Certificate

Degree	
<b>Southwest Alaska Vocational and Education Center (Igiugig)</b>	

Building Construction & Repair	Certificate
Carpentry & Plumbing	Certificate
NCCER Carpentry Core and Level I	Certificate
NCCER Core Curriculum - Fiberglass	

<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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**University of Alaska Fairbanks, Bristol Bay (Dillingham)**

Basic Carpentry	OEC
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<b>Degree</b>
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**University of Alaska Fairbanks, Chukchi (Kotzebue)**

Basic Carpentry	OEC
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<b>Degree</b>
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**University of Alaska Fairbanks, Kuskokwim (Bethel)**

Basic Carpentry	OEC
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<b>Degree</b>
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**University of Alaska Fairbanks, Northwest (Nome)**

Basic Carpentry	OEC
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<b>Degree</b>
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**University of Alaska Fairbanks, Rural College (Fairbanks)**

Basic Carpentry	OEC
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<b>Degree</b>
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**Vocational Training and Resource Center (Juneau)**

Carpenter	
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<b>Degree</b>
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**Wisdom & Associates, Inc. (Kenai)**

Basic Building Science Review	
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Building Techniques for Cold Climates	
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Building Techniques for Cold Climates & Residential Endorsement Test Prep	
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NAHB's Green Building for Building Professionals	
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Residential Endorsement Test Prep Course	
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Thermal Envelope & Heating Analysis	
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Thermal Envelope & Heating Analysis - AHFC Sponsored	
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	Degree
<b>Yuut Elitnaurviat (Bethel)</b>	
Construction Trades	Certificate

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