

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.](#)

2018 Wages ?

	Mean Wage	Wage by Percentile				
	Mean	10th	25th	Median	75th	90th
United States	24.58	13.87	17.22	22.40	29.58	39.78
Alaska	31.85	21.55	25.72	31.42	37.19	44.33
Anchorage/Mat-Su Area	31.37	21.16	24.43	30.72	36.84	44.33
Fairbanks North Star Borough	30.41	21.88	26.80	30.48	35.24	38.96
Balance of State	32.89	22.66	27.03	32.66	38.05	45.60

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
ABC of Alaska (Anchorage)	
Carpentry	
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	
Safety Programs and Subpart C	
Scaffolds	
Stairways and Ladders	
Walking and Working Surfaces	

	Degree
Alaska Building Science Network (Juneau)	
Advanced Framing Techniques	
AK Warm - Energy Use Software, an Introduction for Builders	
AK Warm Basics 101	
AKWarm for Building Energy Design and Analysis	
Appropriate Sustainable Design of Buildings and Constructions	
BEES - Alaska Building Energy Efficiency Standard	

BEES Certification 2008	
Blueprint Reading Basics	
Breathing in Buildings – 3-Hour	
Breathing in Buildings - 4-Hour	
Build America in Alaska	
Build America Program: Help for Builders	
Building on the Edge: Better Building through Common Sense	
Building Science and Technology in the North	
Building Science for Dummies	
Building the P.E.R.S.I.S.T. House	
Changes to IRC for 2006	
Climate Change Impact on Shelter and Infrastructure in the North	
CO - Are You Alarmed: 1-Hour	
CO - Are You Alarmed: 2-Hour	
Cold Climate Homebuilding: Contractor Residential Endorsement Workshop	
Cold Climate Homebuilding: Foundations	
Cold Climate Homebuilding: Making Houses Work	
Cold Climate Homebuilding: Walls	
Complying with Ventilations Requirements of BEES	
Construction Planning and Management: Rural Focus	
Construction Planning and Management: Urban Focus	
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	

Degree

Alaska Carpenters Training Trust (Anchorage)

Carpentry/Carpenter Apprenticeship

Certificate

Scaffold Erector

Degree

Alaska Craftsman Home Program (Anchorage)

Advanced Cold Climate Home Building Techniques

Building Energy Efficiency Standard

Degree

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

Degree

Alaska Job Corps (Palmer)

Carpentry Helper - Level 1

Degree

Alaska Teamster-Employer Service Training Trust (Anchorage)

OSHA 10 Hour General Construction

OSHA 30 Hour General Construction

Degree

Alaska Technical Center (Kotzebue)

Construction Trades

Construction Trades/Plumbing Systems/Electrical Systems

NCCER Carpentry

NCCER Core Curriculum

Degree

Alaska West Training Center (Fairbanks)

Fall Protection - S08

Degree

Alaska Works (Anchorage)

Basic Construction Academies	
Electrical Pre-Apprenticeship Training	
Pipeline Training	
Women in the Trades	

Degree

American Health and Safety, LLC (Fairbanks)

Aerial Lift/Man Lift Training	
Fall Protection	
OSHA 10 Hours	
OSHA 40 Hours	

Degree

Amundsen Educational Center (Soldotna)

Advanced Residential Construction	Voc Diploma
Residential Construction	Voc Diploma

Degree

AVTEC (Seward)

Construction Technology	
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Degree

Beacon Occupational Health and Safety Services (Anchorage)

Fall Protection (NSTC and OSHA Offered)	
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Degree

Center for Employment Education (Anchorage)

OSHA 10 hour	
OSHA 30 hour	

Degree

Environmental Management Inc (Anchorage)

EPA/Lead Renovation, Repair, and Painting	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
Scaffold Safety and Fall Protection	Certificate

Degree

Fairbanks Carpenter Training Center (Fairbanks)

Carpentry Apprenticeship	
Carpentry Journeyman Skills Enhancement	
Degree	
Galena Interior Learning Academy (Galena)	
Construction Technology	
Degree	
Iisagvik College (Barrow)	
Carpentry I	Endorsement
Construction Management	Endorsement
Construction Technology	AAS
Construction Technology I	Certificate
Construction Technology II	Certificate
Scaffolding I	Endorsement
Degree	
Northern Industrial Training (Palmer)	
Advanced Carpentry Level 1 TRADES603	
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	
Partners for Progress in Delta, Inc (Delta Junction)	
Basic Hand & Power Tools	
Degree	
Satori Group Inc (Anchorage)	
Fall Protection	
OSHA Outreach Training, 10 Hour	Certificate
OSHA Outreach Training, 30 Hour	Certificate

	Degree
Southwest Alaska Vocational and Education Center (Igiugig)	
Building Construction & Repair	Certificate
Carpentry & Plumbing	Certificate
NCCER Carpentry Core and Level I	Certificate
NCCER Core Curriculum - Fiberglass	
TSS - The Safety Specialists (Ketchikan)	
OSHA Compliance Training	
University of Alaska Fairbanks, Bristol Bay (Dillingham)	
Basic Carpentry	OEC
University of Alaska Fairbanks, Chukchi (Kotzebue)	
Basic Carpentry	OEC
University of Alaska Fairbanks, Kuskokwim (Bethel)	
Basic Carpentry	OEC
University of Alaska Fairbanks, Northwest (Nome)	
Basic Carpentry	OEC
University of Alaska Fairbanks, Rural College (Fairbanks)	
Basic Carpentry	OEC
Vocational Training and Resource Center (Juneau)	
Carpenter	
Wisdom & Associates, Inc. (Kenai)	
Basic Building Science Review	
Building Techniques for Cold Climates	
Building Techniques for Cold Climates & Residential Endorsement Test Prep	
NAHB's Green Building for Building Professionals	
Residential Endorsement Test Prep Course	

Thermal Envelope & Heating Analysis	
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Thermal Envelope & Heating Analysis - AHFC Sponsored	
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	Degree
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Yuut Elitnaurviat (Bethel)

Construction Trades	Certificate
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