

Construction Managers (11-9021)

Occupation description: Plan, direct, or coordinate, usually through subordinate supervisory personnel, activities concerned with the construction and maintenance of structures, facilities, and systems. Participate in the conceptual development of a construction project and oversee its organization, scheduling, budgeting, and implementation. Includes managers in specialized construction fields, such as carpentry or plumbing.

Employment and Job Openings

| | Employment | | | Average annual openings | | |
|---------------|---------------|-----------------|----------------|-------------------------|----------------------|--------|
| | 2016 estimate | 2026 projection | Percent change | Labor force exits | Occupation transfers | Total |
| Alaska | 1,073 | 1,088 | 1.4 | 25 | 48 | 75 |
| United States | 403,800 | 448,600 | 11.1 | 9,800 | 18,900 | 33,180 |

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 | 50.48 | 26.99 | 34.57 | 45.80 | 60.60 | 79.23 |
| Alaska | 50.22 | 18.73 | 37.13 | 48.01 | 61.21 | 77.67 |
| Anchorage/Mat-Su Area | 49.34 | 17.59 | 38.84 | 48.03 | 60.03 | 75.22 |
| Fairbanks North Star Borough | 48.01 | 25.38 | 30.15 | 48.61 | 62.01 | 75.27 |
| Balance of State | 54.61 | 28.83 | 36.73 | 47.69 | 66.63 | 89.34 |

Labor Force Indicators

2016 Worker Characteristics

| Total workers | Nonresident workers | Percent nonresident | Percent age 45 plus | Percent age 50 plus |
|---------------|---------------------|---------------------|---------------------|---------------------|
| 1,325 | 261 | 19.7 | 61.9 | 48.4 |

2016 Potential Supply

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| Qualified but working in another occupation | 234 |
| Currently employed in a lower paid occupation | 176 |
| UI claimants previously working in occupation | 155 |

2016 ALEXsys Employment Data

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| Number of registrants | 883 |
| Number of job position postings | 91 |
| Ratio of registrants to job position postings | 9.7 |

Alaska Licensing Information

Contractor – [View licensing requirements and number licensed](#)
 Contractor, Construction – [View licensing requirements and number licensed](#)
 Contractor, Gas Piping, Plumbing, and Sheetmetal – [View licensing requirements and number licensed](#)
 Contractor, Residential – [View licensing requirements and number licensed](#)

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

Education: Bachelor's degree

Work experience: None

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

Training Resources

| | Degree |
|--|--------|
| Advanced Framing Techniques | |
| Blueprint Reading Basics | |
| 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 | |

| | Degree |
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| Change & Time Management | |

| | Degree |
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| 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 | |
| Construction Planning and Management: Rural Focus | |
| Construction Planning and Management: Urban Focus | |
| Green Building Products | |

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| Health House 1: The Health House Advantage | |
| Health House 2: Building the Health House | |
| Integration of Ideas for the Development of Future Research Agenda | |
| Introduction to Green Building | |
| Introduction to Green Building - 4 hour version | |
| 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 | |
| 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 | |
| Peak Oil - Recent Developments on the Road to Peak Oil | |
| Proposed Changes to BEES | |
| Radon Control Strategies for New and Existing Homes | |
| Remote Construction Techniques | |
| 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 Natural Step: How Cities and Towns Can Change to Sustainable Practices | |
| The Nature of Wood: 1-Hour | |
| The Nature of Wood: 2-Hour | |
| The New State of the Art CCHRC Research and Testing Facility | |
| Trusses | |

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| What's New in Residential Building Codes | |
| Where Health and Housing Meet | |

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| | Degree |
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ABC of Alaska (Anchorage)

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| 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 | |

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| | Degree |
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Alaska Computer Business Solutions LLC (Anchorage)

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| Project Level 1 | |
| Project Level 2 | |

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| | Degree |
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Alaska Pacific University (Anchorage)

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| Accelerated Business Administration & Management/Master of Business Administration | BA/MBA |
| Alaska Native Executive Leadership Program Certificate | Certificate |
| Alaska Native Governance | BA |
| Business Administration | AA |
| Business Administration | BA |
| Entrepreneurship & Innovation, Graduate Certificate | Certificate |
| Information Technology | MBA |
| Investments, Graduate Certificate | Certificate |

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| Master of Business Administration | MBA |
| Strategic Leadership | MBA |
| Degree | |
| Alaska Petroleum Academy (Kenai) | |
| Cook Inlet Training Standards/24 Hour Hazwoper | |
| Cook Inlet Training Standards/Hazwoper Refresher (8 Hours) | |
| Petroleum Chemical Health and Safety (16 Hours) | |
| Petroleum Chemical Health and Safety Refresher (8 Hours) | |
| Degree | |
| Alaska Teamster-Employer Service Training Trust (Anchorage) | |
| North Slope Training Cooperative | |
| OSHA 10 Hour General Construction | |
| OSHA 30 Hour General Construction | |
| Degree | |
| Alaska West Training Center (Fairbanks) | |
| Fall Protection - S08 | |
| Hydrogen Sulfide - H2S | |
| Petroleum Technician - ER06 | |
| Petroleum Workers Safety and Health - S05 | |
| Unescorted Module - NSTC01 | |
| Unescorted Module Update/Refresher - NSTC02 | |
| Degree | |
| Alaska Works (Anchorage) | |
| Pipeline Training | |
| Degree | |
| American Health and Safety, LLC (Fairbanks) | |
| OSHA 10 Hours | |
| OSHA 30 Hours | |
| Degree | |
| Beacon Occupational Health and Safety Services (Anchorage) | |
| Cook Inlet Training Standards & Industrial Safety (CITS) | Certificate |
| North Slope Training Cooperative (NSTC), Optional H2S/FES | Certificate |
| Degree | |
| Center for Employment Education (Anchorage) | |
| OSHA 10 hour | |

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| OSHA 30 hour | |
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| Degree |
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Central Texas College, Fort Richardson/Elmendorf AFB (Fort Richardson)

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| Business Management | AAS |
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| Degree |
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Central Texas College, Fort Wainwright (Fort Wainwright)

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| Business Management | AAS |
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| Degree |
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Charter College, Anchorage (Anchorage)

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| Business Administration | AAS |
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| Business Administration | BS |
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| Degree |
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Embry-Riddle Aeronautical University (JBER)

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| Aviation | PhD |
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| Aviation Business Administration | AS |
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| Aviation Business Administration | BS |
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| Business Administration in Aviation | MBAA |
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| Business Analytics | BSBA |
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| ISTAT | Certificate |
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| Leadership | BS |
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| Leadership | MS |
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| Management | MSM |
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| Project Management | BS |
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| Project Management | MS |
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| Technical Management | AS |
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| Technical Management | BS |
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| Degree |
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Environmental Management Inc (Anchorage)

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| EPA/AHERA Project Design Initial - 24 Hours | Certificate |
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| EPA/AHERA Project Design Refresher | Certificate |
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| EPA/Lead Renovation, Repair, and Painting | Certificate |
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| NSTC 6 PACK + H2S Module | 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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| | Degree |
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| Iisagvik College (Barrow) | |
| Bachelor in Business Administration | BBA |
| Business and Management | AAS |
| Business Specialist I | Certificate |
| Business Specialist II | Certificate |
| Industrial Safety, Level 1 | Endorsement |

| | Degree |
|---|--------|
| LTR Training Systems, Inc. (Anchorage) | |
| Fall Protection - Basic/Authorized | |
| Fall Protection -Tower Climbing & Rescue | |

| | Degree |
|---|--------|
| North Star Computing (Fairbanks) | |
| Conducting Meetings | |

| | Degree |
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| Northern Industrial Training (Palmer) | |
| Energy Isolation - Lockout/Tag out/018 | |
| Energy Isolation-Lockout/Tag Out/018 | |
| NSTC ASH Update / 003 | |
| NSTC Confined Space Entry / 004 | |
| NSTC Energy Isolation / 005 | |
| NSTC Fall Protection / 006 | |
| NSTC Hydrogen Sulfide (H2S) Module/002 | |
| NSTC Respiratory Protection /007 | |
| NSTC Unescorted/001 | |
| OSHA 10 Hour Construction / 020 Training | |
| OSHA 10 Hour General Industry / 021 | |
| OSHA 30 Hour Construction / 022 | |
| OSHA 30 Hour General Industry / 023 | |
| PEC Premier Basic Orientation / 051 | |
| PEC Premier Core Compliance / 052 | |
| Project Management & HSET | |
| Project Management 115 Hour | |
| Project Management/TRADES615 | |

| | Degree |
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| Nu-Solutions Consulting (Anchorage) | |

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| Advanced Primavera P6, Fundamentals Professional Client, Course 106-P | Certificate |
| Advanced Project Modeling and Estimating, Class E-201 | Certificate |
| Essentials of HD Performance HD P101 | |
| Essentials of Project Modeling and Estimating, Class E-101 | Certificate |
| Hybrid Primavera P6 102 | |
| Managing Risk in Primavera Risk Analysis, Course 501 | |
| Migrating from P3 to Primavera P6 | |
| Oracle Primavera Contract Management, Course 201 | Certificate |
| Primavera P6 Advanced | |
| Primavera P6 Analytics 11g | |
| Primavera P6 Fundamentals Rel15 (P6 Web), Course 101 | Certificate |
| Primavera P6 Professional Fundamentals, Course 102 | Certificate |
| Primavera P6 Reporting with BI Publisher 11g | |
| Primavera P6, Application Administration 15, Course 106-A | Certificate |
| Project Management in Oracle Primavera Contractor, Course 700 | |
| Resource Management in Oracle Primavera P6, Course 106-R | Certificate |
| Resource Management in Oracle Primavera Web Access, Course 107 | Certificate |
| Scheduling in Oracle Primavera P6 and Contractor, for U.S. Army Corps of Engineers Projects | Certificate |

Degree

Satori Group Inc (Anchorage)

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| OSHA Outreach Training, 10 Hour | Certificate |
| OSHA Outreach Training, 30 Hour | Certificate |

Degree

Thomas Edison State University (Eielson AFB)

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| Business Administration | MBA |
| Business Administration in General Management | BS |

Degree

TSS - The Safety Specialists (Ketchikan)

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| OSHA Compliance Training | |
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Degree

University of Alaska Anchorage (Anchorage)

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| Business Administration | AA |
| Business Administration | MBA |
| Construction Management | AAS |
| Construction Management | BS |
| General Management | MBA |

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| Logistics & Supply Chain Operations | OEC |
| Project Management | MS |
| Degree | |
| University of Alaska Anchorage, Kenai (Soldotna) | |
| General Business | AAS |
| Degree | |
| University of Alaska Anchorage, Kodiak (Kodiak) | |
| General Business | AAS |
| Degree | |
| University of Alaska Anchorage, Mat-Su (Palmer) | |
| General Business | AAS |
| General Program | AA |
| Degree | |
| University of Alaska Fairbanks (Fairbanks) | |
| Business Administration | BBA |
| Business Administration | MBA |
| Construction Management | GCRT |
| Design & Construction Mangement | GCRT |
| Degree | |
| University of Alaska Fairbanks, Bristol Bay (Dillingham) | |
| Applied Business | AAS |
| Applied Business | CT1 |
| Applied Business Management | CT1 |
| Degree | |
| University of Alaska Fairbanks, Chukchi (Kotzebue) | |
| Applied Business | AAS |
| Applied Business Management | CT1 |
| Applied Business Management | CT2 |
| Degree | |
| University of Alaska Fairbanks, CTC (Fairbanks) | |
| Applied Business | AAS |
| Applied Business | CT2 |
| Applied Business Management | CT2 |
| Construction Management | AAS |

| Degree | |
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| University of Alaska Fairbanks, Kuskokwim (Bethel) | |
| Applied Business | AAS |
| Applied Business Management | CT1 |
| Applied Business Management | CT2 |

| Degree | |
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| University of Alaska Fairbanks, Northwest (Nome) | |
| Applied Business | AAS |
| Applied Business Management | CT1 |
| Applied Business Management | CT2 |
| Business | CT2 |

| Degree | |
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| University of Alaska Fairbanks, Rural College (Fairbanks) | |
| Applied Business | AAS |
| Applied Business Management | CT1 |
| Applied Business Management | CT2 |
| Rural Utilities Business Management | OEC |

| Degree | |
|--|-----|
| University of Alaska Southeast, Juneau (Juneau) | |
| Business Administration | AAS |
| Business Administration | BBA |
| Business Administration | GLI |
| Business Administration | MBA |
| Business Administration | MPA |

| Degree | |
|--|-----|
| University of Alaska Southeast, Ketchikan (Ketchikan) | |
| Business Administration | AAS |

| Degree | |
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| University of Alaska Southeast, Sitka (Sitka) | |
| Business Administration | AAS |

| Degree | |
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| University of Alaska, Mining and Petroleum Training Service (Soldotna) | |
| North Slope Training Consortium (NTSC) | |

| Degree | |
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| Vocational Training and Resource Center (Juneau) | |

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| Business Internet Security | |
| Business Management Essentials | Certificate |
| Microsoft Project Pro Complete | |
| Small Business Management | |

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| | Degree |
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Wayland Baptist University (Anchorage)

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|--------------------------------|--------|
| Business Administration | BAS |
| Business Administration (BBA) | BA |
| Business Administration (MBA) | MBA |
| Management | BAS |
| Management (D.Mgt.) | D.Mgt. |
| Management (MAM) | MA |
| Organizational Leadership (MA) | MA |

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| | Degree |
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Wisdom & Associates, Inc. (Kenai)

| | |
|--|--|
| Advanced Building Science | |
| Basic Building Science | |
| Basic Building Science Review | |
| Building Science Review | |
| Building Techniques for Cold Climates | |
| Building Techniques for Cold Climates & Residential Endorsement Test Prep | |
| Introduction & History to Green Building & Environmental Issues - AHFC Sponsored | |
| Is this House Sick? | |
| Killer Houses: The Good, The Bad & The Ugly | |
| NAHB's Business Management for Building Professionals | |
| Policy & Codes That Support Energy - AHFC Sponsored | |
| Residential Endorsement Test Prep Course | |
| Sizing of Heating Systems with AkWarm | |
| The Economics of Energy Efficiency - Financial Costs & Benefits - AHFC Sponsored | |
| Thermal Envelope & Heating Analysis | |
| Thermal Envelope & Heating Analysis - AHFC Sponsored | |
| Understanding Building Energy Use/Building Behavior - AHFC Sponsored | |

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| | Degree |
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Yuut Elitnaurviat (Bethel)

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| Construction Trades | Certificate |
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