

# Construction Education Foundation

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Chief Executive Officer



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## The Construction Education Foundation



CEF was officially started by the Associated General Contractors (AGC) of Alaska on July 1, 2008



Created as a 501(c)3 Charitable Organization with a mission to provide for the quality and quantity of the future workforce of the construction industry



CEF's Role: To close the gap existing between educators and the industry by supporting Alaskan educational institutions that respond to the needs of the construction industry

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## Our Vision

**Vision:** To be recognized as a competent, reliable and responsive source for construction related education and training.

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# Our Mission



**Mission:** To enhance, develop, promote and provide educational and training opportunities, programs and scholarships that support and expand the knowledge, skills, professionalism, and effectiveness of individuals currently in the construction industry and related crafts, and to those individuals in secondary and post secondary schools considering the industry as a career path.

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# CEF Can Provide...

-  Scholarships → supporting the next generation of workers in the industry.
-  Faculty Grants → In order to attract and retain faculty members to the University Department and provide money for items not adequately supported by the University, such as travel and research.
-  Seed Money → Working with secondary and post-secondary programs to expand or extend academic programs that allow them to train workers for the construction industry.
-  Training Programs → Helping construction professionals maintain their expertise by developing and modifying training programs for the industry.
-  Entry Level Training → Entry level construction training which is provided by our Construction Academies.

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# Alaska Construction Academies

Alaska Construction Academies were created in 2006 to attract and train young people and adults for entry-level jobs in construction and trade apprenticeship programs.



**Goal:** To serve the industry by providing knowledgeable, motivated, entry-level employees and to serve students and job seekers by giving them the chance to explore their aptitudes and interests under the guidance of experienced, hands-on instructors from the industry.

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Through Alaska Construction Academy efforts, Alaskan students and adults will be recruited, trained in and placed into entry level jobs in the construction industry.



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## Alaska Construction Academies

Promote understanding among Alaskans about career opportunities in construction related occupations



Build a strong, flexible workforce able to enter the workforce or continue with post-secondary education training and apprenticeships



Enable employers to hire workers with training to increase productivity and improve the quality and safety of the workforce.

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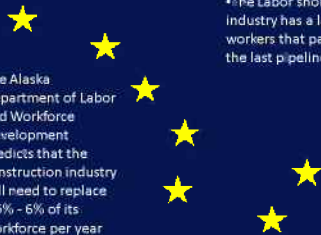
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## Statewide Need



The Alaska Department of Labor and Workforce Development predicts that the construction industry will need to replace 5.5% - 6% of its workforce per year for the foreseeable future



\*The labor shortage reflects that the industry has a large number of workers that participated in building the last pipeline more than 30 years ago, hence an aging workforce.

\*The state desires to reduce the dependence on the non-resident workers.

\*Changing demographics in Alaska indicate that only 3 people are available to replace every four retirees.

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## What Makes Us Unique:

 **Partnerships** that have been formed with trainers, educators and those within the industry.

These partnerships include but are not limited to:

- ↪ AGC
- ↪ Home Builder Associations
- ↪ School Districts
- ↪ The Department of Labor
- ↪ The Department of Education
- ↪ Adult Training providers
- ↪ Native corporations




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## What Makes Us Unique:

 Communities have a local Advisory Board that writes their communities plan. They begin by identifying employer needs for new hires.




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## AkCA Performance Measures

### Recruit

- \*Students will register for construction trade and related classes.
- \*Adults will complete an AkCA application.

### Train

- \*Students will complete a construction trade class in 2009-2010.
- \*Adults will complete an AkCA class and receive a certificate, credential or license related to employment in the construction industry.

### Employ

- \*Connect graduating high school students with employment in construction trades related jobs or an apprenticeship program or vocational training program or college.
- \*Adult AkCA course completers will become employed in construction trade related jobs within 7-12 months following the AkCA course or are accepted into construction trades related apprenticeship programs.




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## Construction Academy Locations



★ Existing Construction academies:  
Fairbanks, Mat-Su, Anchorage, Kenai Peninsula, Juneau, Ketchikan

★ Proposed Regional Rural Academies:  
Nome, Kodiak, Dillingham, Bethel and King Salmon

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## High School Programs



Construction Academies use the National Center for Construction Education and Research (NCCER) curriculum for several classes and offer industry certifications when earned by students.

School Districts have tech prep agreements between their district and the UA system and apprenticeship programs for several construction related classes.

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## High School Courses

- ◀ Carpentry
- ◀ Electricity
- ◀ Masonry
- ◀ Plumbing
- ◀ Welding
- ◀ Small Engine Repair
- ◀ Material Science and Construction Trades
- ◀ Construction Electricity
- ◀ Construction Plumbing
- ◀ Construction Logistics
- ◀ Woods 1 & 2
- ◀ Building Trades
- ◀ Welding Fabrication
- ◀ Building Planning and Design
- ◀ Technical Communications
- ◀ Housing Concepts
- ◀ Surveying and Blueprint Reading
- ◀ Applied Technology
- ◀ Computer Aided Drafting (CAD)
- ◀ Design Drafting 1 & 2
- ◀ Power Mechanics 1 & 2
- ◀ Civil Engineering and Architecture
- ◀ Digital Electronics

Not all courses are offered in all districts.

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## Short Course Certifications

Certifications offered at High School Level:

- Fork Lift Driving
- OSHA 10
- HILTI




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## Adult Program

Offered Classes:

- Carpentry
- Welding
- Drywall hanging/ Taping/Floor covering
- Residential Wiring
- Hydronic Heating
- Sheet Metal-HVAC
- Electrical
- Basic Construction Techniques
- Building Construction I & II
- Cold Climate Coastal Construction



Short Course Certifications:

- Fork Lift Safety
- OSHA 10
- Scaffolding/Fall Protection
- First Aid/CPR
- North Slope Training Certificate
- Cook Inlet Training Certificate

Not all courses are offered in all districts.

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## AkCA Success



	Course Participants Trained		
	FY 2008	FY 2009	FY 2010
Students Trained	3327	3402	(Projected) 3417
Adults Trained	315	502	511



Adults working FY 2009 (in July)	Adults Working FY 2010 (in July)
281 (76%)*	358 (70%)
(number contacted via phone survey)	(Projected)

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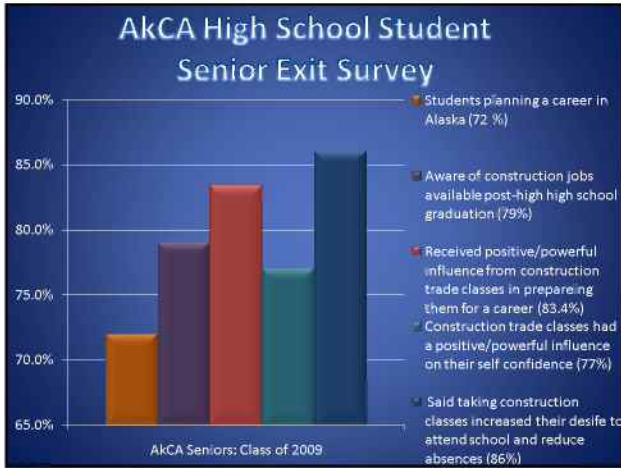
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## AkCA National Awards

In 2009 the AkCA earned two National awards for their accomplishments in workforce development.

- Recognition of Excellence for Leveraging the Power of Partnership from the U.S. department of Labor, Employment and training
- Outstanding Contribution in Construction Industry Workforce Development from the Construction Users Roundtable

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## 2010 Efforts

### I. Launch Post Card Campaign

**Want more information?**  
[Please contact us at: www.akca.org](http://www.akca.org)

Headquartered in Sitka  
 1000 North Star Road  
 Phone: (907) 224-9999 Fax: (907) 484-4118

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## 2010 Efforts

### II. Create and air T.V. commercials



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## 2010 Efforts

### III. Circulate DVD

- A. Chamber meetings
- B. AGC Conferences
- C. Home Builder meetings and conferences



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For more information please visit  
[www.alaskaca.org](http://www.alaskaca.org)

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