



Alaska's Technical and Vocational Education Program Report

For State Fiscal Year 2015

A report for the Alaska Legislature and
Alaska Workforce Investment Board
By the
Alaska Department of Labor and Workforce Development

February 2016

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Training program names as they appear here may not match those used in the report because the report lists them as they appear in statute [AS 23.15.835(d)] and the Table of Contents lists them as they are more commonly known.

Executive Summary

The Alaska Legislature created the Technical and Vocational Education Program (TVEP) in 2001 to help meet Alaska’s demand for trained workers. TVEP is funded by 0.16 percent of the wages on which employees are required to make unemployment insurance contributions under Alaska Statute AS 23.20.175. In State Fiscal Year (SFY) 2015, TVEP funding totaled \$11,615,400. That amount is allocated directly in the percentages and to the institutions as shown below, per [AS 23.15.835](#).

SFY 2015 TVEP Allocations	Percent	Amount
Alaska Technical Center, Kotzebue	9 percent	\$1,045.4
Alaska Vocational Technical Center (AVTEC)	17 percent	\$1,974.5
Amundsen Educational Center	2 percent	\$232.3
Galena Project Education Vocational Training Center	4 percent	\$464.6
Ilisagvik College	5 percent	\$580.8
Northwestern Alaska Career and Technical Center	3 percent	\$348.5
Partners for Progress in Delta, Inc.	3 percent	\$348.5
Southwest Alaska Vocational and Education Center	3 percent	\$348.5
University of Alaska	45 percent	\$5,226.9
Yuut Elitnaurviat, Inc. People’s Learning Center	9 percent	\$1,045.4
TOTALS	100 percent	\$11,615.4
Administrative Costs		
Division of Business Partnerships (now Division of Employment & Training Services)		\$137.1
Unemployment Insurance Division		\$398.8
Administrative Total		\$535.9

Summary of 2015 Programs

Each narrative included in the report is based on the SFY2015 program activities as reported directly by the TVEP recipients and includes courses, program highlights, and the number of students enrolled. As shown in the table below, in SFY 2015, the 10 TVEP recipients reported serving 9,690 adults and 1,668 high school students, for a total of 11,358.

TVEP Recipient	# of Adults Served	# of High School Students Served	Total # of Participants
Alaska Technical Center, Kotzebue	192		192
Alaska Vocational Technical Center (AVTEC)	1,602		1,602
Amundsen Educational Center	12		12
Galena Project Education Vocational Training Center		241	241
Ilisagvik College	900		900
Northwestern Alaska Career and Technical Center		256	256
Partners for Progress in Delta, Inc.		278	278
Southwest Alaska Vocational and Education Center	268		268
University of Alaska	5,988	893	6,881
Yuut Elitnaurviat, Inc. People’s Learning Center	728		728
TOTALS	9,690	1,668	11,358

Summary of SFY 2014 Statewide TVEP Performance Outcomes

For the Performance Measures tables in this report, the Department of Labor and Workforce Development's Research and Analysis Section matched information provided by the TVEP recipients about their **participants who exited a program during the prior state fiscal year 2014** (July 1, 2013 through June 30, 2014) to unemployment insurance wage records to determine employment outcomes. The performance outcomes are based on the performance measures specifically set out in AS 23.15.835(e):

- 1) the percentage of former participants who have a job one year after leaving the training program;
- 2) the median wage of former participants seven to 12 months after leaving the program;
- 3) the percentage of former participants who were employed after leaving the training program who received training under the program that was related to their jobs seven to 12 months after leaving the training program;
- 4) the percentage of former participants of a training program who indicate that they were satisfied or somewhat satisfied with the overall quality of the training program;
- 5) the percentage of employers who indicate that they were satisfied with the services received through the workforce development system.

An overall look at the performance measure outcomes for the SFY2014 TVEP participants shows:

- 69.7 percent of all SFY2014 TVEP participants were employed one to 12 months prior to training compared to 73.9 percent one to 12 months after — an increase of 335 individuals.
- Median wages for SFY2014 TVEP participants were \$10,194 in the period seven to 12 months prior to training compared to \$13,020 in the period seven to 12 months after training — an increase of \$2,826 or 27.7 percent.
- Total combined wages for all TVEP participants in SFY14 one to 12 months after training were nearly \$170 million*.

* Combined wages do not include Galena participants

Because each program is unique and serves a different clientele with varying needs and work histories, comparing the wages and employment measures across programs may not be appropriate. Programs may provide services to various populations such as younger workers, older workers, those with few skills, or those recently laid off. Many programs serve clients who are likely to continue their education or become self-employed upon completion of their training. Those workers would likely not be included in Alaska post-training wages and employment statistics.

Information on all five measures wasn't available for every program. Also, where providers focused on youth, measuring the percentage working in training-related jobs wasn't meaningful because a large percentage would still have been in high school or postsecondary training.

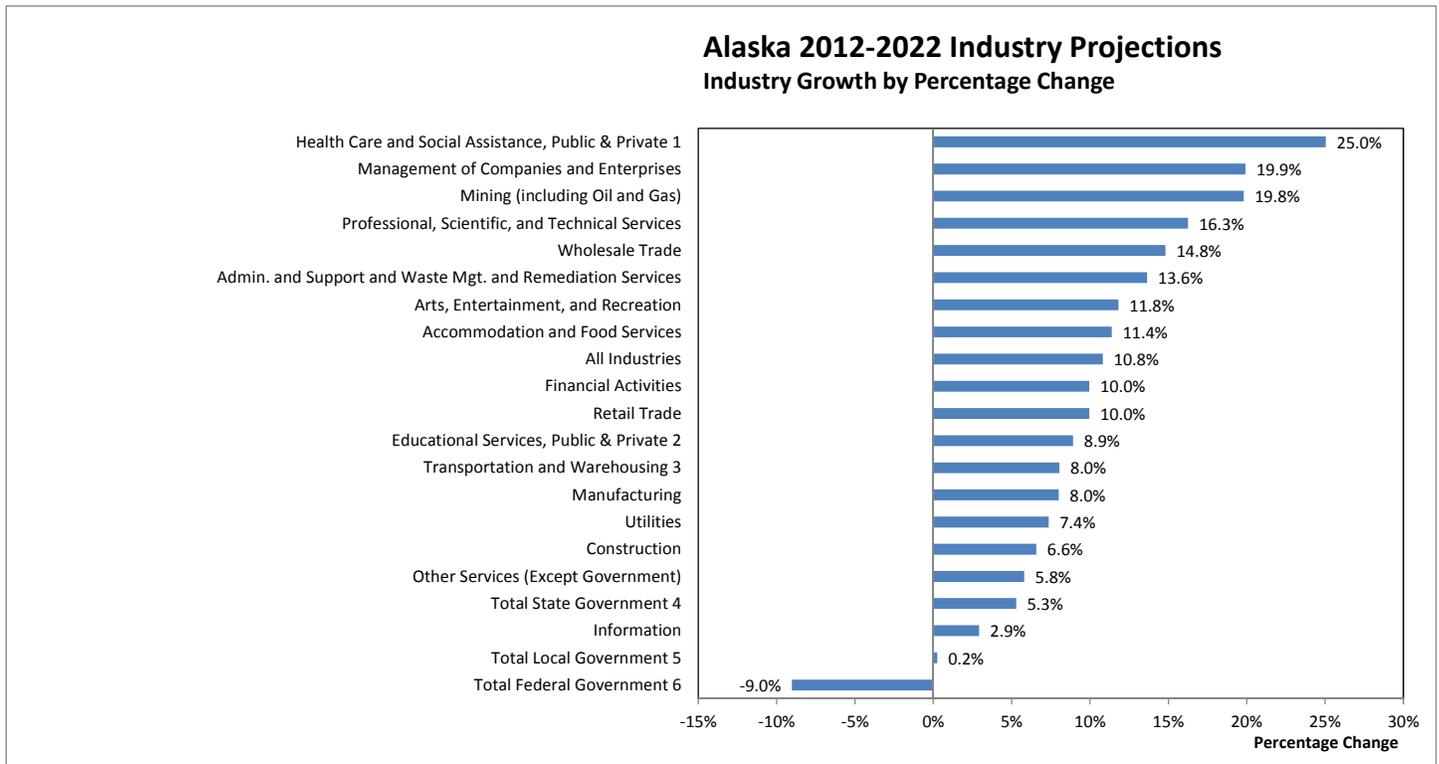
The third measure is also problematic for other programs/funding sources because matching training to jobs is an imperfect, developing process. General training such as work readiness and basic office skills relate to a variety of jobs, but none so specifically that they are currently deemed "training-related." The report excludes this measure where it would clearly be more misleading than helpful.

Alaska's Job Outlook

Alaska is projected to gain 36,113 jobs between 2012 and 2022, for a growth rate of 10.8 percent.

The Alaska 2012-2022 industry projections chart illustrates expected job growth by industry over the next several years in terms of the estimated number of new jobs and percent growth.

The health care and social assistance sector will grow the most at 25 percent, followed closely by mining — minus oil and gas — at 24.8 percent (not shown in the chart below). Professional and business services are likely to grow at a rate faster than the economy overall. Construction and information are projected to grow at slower rates, 6.6 percent and 2.9 percent respectively. The government sector is projected to be the sole area to lose jobs within this 10-year period, with federal jobs reduced by 9 percent.



Source: Alaska DOLWD, Research and Analysis Section

Regional Economic and Workforce Development

The Alaska Department of Labor and Workforce Development divides the state into six economic regions for the purposes of researching and analyzing information about industry employment, unemployment, occupational demand, and regional vocational and technical training. The Alaska Workforce Investment Board has implemented regional workforce planning to meet the requirements of the new federal Workforce Innovation and Opportunity Act (WIOA) and to ensure each region is engaged in growing Alaska's workforce. Each economic region has one or more Alaska TVEP recipients, a university campus, postsecondary institution or regional training center whose role is to assist students and adults to get the education and training they need to be employed in the region and in the broader state economy. This report provides regional economic and labor market information alongside information about what each TVEP recipient is doing to meet the challenge of building the technical knowledge and skills of the region's workforce.



Northern Region

Alaska's northern region includes the North Slope Borough, the Northwest Arctic Borough and the Nome Census Area. The TVEP recipients in this region include: the Bering Strait School District – Northwest Alaska Career and Technical Center (NACTEC) located in Nome (located in Nome Census Area), Ilisagvik College located in Barrow (part of the North Slope Borough), and the Alaska Technical Center – Northwest Arctic Borough School District located in Kotzebue (part of the Northwest Arctic Borough).

The Northern Region has two economies — one is village-based, with local government, health care, and service jobs augmented by subsistence hunting and fishing, and the other is large-scale industrialized resource extraction from the North Slope oil fields and the Red Dog Mine in Northwest Alaska.

Population

The Northern Region's 2014 population was 27,437, which was 3.4 percent of the state's total. The region's population has been relatively stable in recent years, with an increase of 851 people, or 3.2 percent, since 2010.

About 56 percent of the region's population is male, compared to 52 percent for the state as a whole. Alaska Natives make up about 68 percent of the population.

Unemployment rates

Unemployment rates in the Northern Region tend to be at least four percentage points higher than the statewide rates and show noticeably less seasonality than other parts of the state. The Northwest Arctic Borough and Nome Census Area have especially high rates, however, while the North Slope Borough's rates tend to be at least slightly lower than the statewide rate. Average monthly rates for 2014 were 5.8 percent for the North Slope Borough, 12.2 percent for the Nome Census Area, and 16.7 percent for the Northwest Arctic Borough.

Jobs in the Northern Region

The number of jobs located in the region and the jobs held by residents of the region are different things, and the distinction is especially important in the Northern Region.

Just over half of all people who work in the Northern Region — regardless of where they live — work in mining (a category that includes oil and gas) or local government.

About 27 percent of the Northern Region's 30,714 workers are nonresidents and another 38 percent are Alaska residents who do not live in the region. Combined, that means 65 percent who work in the region do not live there.

The mining industry includes both oil and gas employment and metal mining such as the work at the Red Dog mine. A small percentage of the industry's workers live in the Northern Region.

Much of the work that supports the mining industry — geological and engineering work that's classified as "Professional, Scientific, and Technical Services," for example — is also done by workers from outside the region. At the other end of the spectrum, jobs in state and local government, utilities, and health care are mostly held by local residents.

The Northern Region has a unique occupational mix, ranging from highly specialized and technical jobs in the mining industry to health care and education related occupations that serve the communities.

Northwestern Alaska Career and Technical Center, Nome

www.nacteonline.org

The Northwestern Alaska Career and Technical Center (NACTEC) is located in the Northern Region and is part of the Nome Census Area. This regional vocational learning center is a joint venture between the Bering Strait School District (BSSD) and Nome Public Schools (NPS), dedicated to helping students prepare for the world beyond high school.

Partners

- Bering Strait School District (BSSD)
- Nome Public Schools (NPS)
- Norton Sound Health Corporation (NSHC)
- Norton Sound Economic Development Corporation
- Quyanna Care Center
- Bering Straits Native Corporation
- Nome One Stop Job Center
- UAF-Northwest Campus
- Kawerak, Inc.
- Nome Eskimo Community
- Pollock Conservation Cooperative
- Shell Exploration
- Alaska Airlines
- Wells Fargo

Number of students enrolled

In 2015, 256 students were enrolled in NACTEC.

Course offerings

- Driver's Education
- Automotive Mechanic
- Business and Marketing
- Seafood Harvesting and Processing
- Health Care
- Aviation I, II, III
- Hospitality and Tourism
- Careers in Education
- Video Technology/Information
- Careers in the Military
- Construction

NACTEC has developed policies and procedures to ensure the acceptance of credit or hours toward a degree and tracks dual credits earned based on their articulation agreements.

NACTEC formed a partnership with the Norton Sound Health Corporation (NSHC), the largest employer in the Bering Strait region, and has worked closely with them to develop a sequence of five dual-credit health care-related courses.

Economic impact

NACTEC fills a void in the Bering Strait School District and Nome Public Schools with an array of career and technical education training programs that otherwise wouldn't exist there, helping to increase graduation rates from 30% to 40% a decade ago to 70% today. NACTEC is the only program in the Bering Strait area that helps students to graduate or obtain a driver's license, which are the two most critical elements for entering the workforce.

TVEP represented 24.7% of NACTEC's operating budget in FY15. From the time TVEP funds were first designated to NACTEC in 2009, enrollment in vocational training programs has increased by 66% and high school graduation rates have grown by over 20%.

In the past, the Norton Sound Health Corporation tried to fill certified nursing assistant positions with an itinerant workforce that's largely nonexistent. As a result, they would have to hire licensed practical nurses at twice the cost. Over the past three years, eight people enrolled in and completed CNA training. Six of the eight trainees moved from their villages to Nome to work as CNAs. Two of the eight continued with postsecondary education to obtain a registered nursing degree. Health aide training soon followed and the first health aide hired by Norton Sound Health Corporation

has worked in her home village since graduating two years ago. This training allows students to work in their home region.

The Northwestern Alaska Career and Technical Center is drafting a policy for school board approval to accept and transcribe military credit hours toward a degree or technical/vocational program.

National

The U.S. Department of Education funded a National Dropout Prevention Center project in which NACTEC served an integral role with variable term residential/CTE programming. Here is a draft of the final project, which is in the final editing stage: https://www.dropbox.com/s/5gxij9y0xd7akdg/AK_NDPC_V2.5.mp4?dl=0

State

KTUU did a "Making a Difference" story by Marti Glaser on NACTEC in November 2014: <http://www.ktuu.com/news/news/nome-school-with-a-unique-curriculum-teaching-students-how-to-get-jobs-and-keep-them-after-high-school/29789676>.

Local

Radio station KNOM's "Sounding Board" on Sept. 10, 2015, featured NACTEC Program Coordinator Kevin Busk, Nome Public Schools Superintendent Shawn Arnold (a NACTEC governing board member), and Kacey Miller of UAF-Northwest Campus for a community call-in show on education in the Norton Sound/Bering Strait region.

2015 CNAs: At right, Amy Charles (Koyuk) and Lovina Steve (Stebbins), NACTEC's two CNA trainees in FY15, completed training in June, attained certification, applied to NSHC's Quyanna Care Center, and began work in August 2015.



NACTEC Performance Indicators for Participants Exiting in SFY 2014	
Total Training Participants Identified	110
Employed in Alaska One Year After Leaving Training Program	41
Percent Employed in Alaska One Year After Leaving Training Program	37.3%
Median Total Wages 7-12 Months After Exit	\$2,481

Alaska Technical Center, Northwest Arctic Borough School District, Kotzebue

www.nwarctic.org/atc

The Alaska Technical Center (ATC) is an adult vocational school supported by the Northwest Arctic Borough School District to meet the vocational and technical training needs in the Northern Region. Students trained at the center know how to succeed in Alaska's workforce. Programs are designed to build Alaska's workforce and meet the needs of employers in high demand fields such as natural resources, health care, education, and technology.

Partners

- Maniilaq Association
- NANA Regional and Development Corporations
- Kikitagruk Inupiat Corporation
- Teck Alaska
- Shell Alaska
- Conoco Phillips
- Tuuq Drilling
- Northwest Arctic Borough
- Northwest Arctic Borough School District
- Chukchi College (UAF)
- Nova Copper
- Northwest Inupiat Housing Authority
- Kotzebue Electric Association

Number of students enrolled

In 2015, 192 students were enrolled in the Alaska Technical Center.

Course offerings

The Alaska Technical Center offers the following courses:

- Office Occupations
- Construction Trades Technology
- Process Technology
- Health Occupations
- Culinary Arts
- Adult Basic Education, which includes a regional GED Program

ATC is a partner in the Star of the Northwest magnet school, a grade 11-14 program with education, health, culinary and process technology career pathways. All ATC programs are aligned with University of Alaska Fairbanks courses and certificate and degree programs. Students may dual enroll for ATC and UAF credit in most courses. All programs meet the requirements for recognized state and national certifications.

ATC has just completed a major renovation and addition, including new state-of-the-art equipment and curriculum supporting its programs. This expansion has allowed ATC to grow rapidly and they are already seeing quantifiable results.

“Alaska Technical Center works with our state's employers to develop training programs for today's jobs, while preparing you for 21st century careers in which you will have to master technologies that are beyond what we can imagine.”

— Cheryl Edenshaw, Director





Alaska Technical Center Process Technology student demonstrating hydraulic valve operation

ATC has developed and implemented a policy and procedure for military personnel and veterans to apply/petition for credit, certification, or licensure of eligible program for learning acquired in military service training and experience at levels consistent with ACE.

State

ATC developed promotional and recruiting videos in collaboration with industry partner Piksik, which are available at <http://atcstar.com/atc>. They also have a 30-second promotional spot for use in theaters or television, viewable at <https://vimeo.com/129946372> (Password: ATC).

ATC Performance Indicators for Participants Exiting in SFY 2014	
Total Training Participants Identified	151
Employed in Alaska One Year After Leaving Training Program	130
Percent Employed in Alaska One Year After Leaving Training Program	86.1%
Median Total Wages 7-12 Months After Exit	\$11,821

Ilisagvik College is located in Barrow, in the North Slope Borough of the Northern Region. This is a two-year tribal college offering postsecondary academic, vocational, and technical education while promoting Inupiat culture, language, values, and traditions.

Ilisagvik was founded to serve the residents of the North Slope Borough, America's largest and most northern municipality, and achieved accreditation from the Northwest Commission on Colleges and Universities in 2003. It is the first and only federally recognized tribal college in Alaska.

Partners

- Arctic Slope Native Association
- Arctic Slope Regional Corporation
- Boy Scouts of America
- City of Point Hope
- City of Kaktovik
- City of Wainwright
- Hiland Mountain Correctional Center
- Inupiat Community of the Arctic Slope
- Kuukpik Corporation
- Native Village of Barrow
- North Slope Borough
- North Slope Borough School District
- Northwest Arctic Borough
- Norton Sound Economic Development Council
- Nunamiut Corporation
- Olgoonik Corporation
- State of Alaska
- Tikiguq Corporation
- Traditional Council of Wainwright
- Ukpeagvik Inupiat Corporation
- UMIAQ
- Ukpeagvik Inupiat Corporation
- University of Alaska Fairbanks
- Yuut Elitnaurviat

Number of students enrolled

In 2015, 900 students were enrolled in the Ilisagvik College.

Course offerings

- Customer Services
- Business Grammar and Writing
- MS Excel
- MS Power Point
- QuickBooks
- Financial Literacy
- Technical Writing
- Office Skills Development
- Resume Writing
- Grant Writing
- Job Club
- Communication Skills
- OSHA 30-hour Disaster Site
- Roustabout
- Health, Safety, and Environment Technician
- Vessel Crew Safety
- Alaska Small Water Systems
- Driver's Education
- CDL with Passenger Endorsement
- Entry Level Operators
- 8 and 40 HR-HAZWOPER
- Standard First Aid w/ CPR
- Response Plan and Spill Drill
- Alaska Safe Food Worker's Certification
- Intro to Health Careers
- Nutrition
- Pathology
- Tank Farm Management
- Basic Principals of Group Counseling
- Crisis Intervention
- Life Span Development
- Communication for the Trades
- Project Management

Ilisagvik College has developed policies and procedures to ensure the acceptance of credit or hours toward a degree, and tracks dual credits earned based on their articulation agreements.

Twenty-eight classes were developed for the North Slope Borough: four were in partnership with Arctic Slope Native Corporation, three were in partnership with UMIAQ, and three were created specifically for the Wainwright Traditional Council.

Ilisagvik College has also developed and implemented a policy and procedure for military personnel and veterans to apply/petition for credit, certification, or licensure of eligible program for learning acquired in military service training and experience at levels consistent with ACE.



Scaffolding and fall protection training/certification



Cold water safety and on-board drills training/certification

Allied Health

Ilisagvik’s Allied Health Program has grown significantly since its inception in 2008. Allied Health is a multi-faceted program that places students into public health related academic programs while conducting community outreach through partnership with Northwest Area Health Education Center (NW AHEC) to engage youth and adults in health career pathways and provide public health education.

- The Allied Health program has awarded six Associate of Science degrees since the program started in 2013.
- The Health Careers Coordinator travels frequently throughout the North Slope and to the neighboring boroughs to engage, recruit, and educate communities about careers in health care.
- The Allied Health program continues to coordinate the Junior Public Health Educators program as well as job shadow opportunities for young students interested in health care careers.
- The Tobacco Taskforce, a wellness program aimed at smoking cessation on campus, was formed in the last year and is headed by Allied Health alumna Laura Nicolai, who is also the department’s administrative assistant.

Ilisagvik College Performance Indicators for Participants Exiting in SFY 2014	
Total Training Participants Identified	811
Employed in Alaska One Year After Leaving Training Program	683
Percent Employed in Alaska One Year After Leaving Training Program	84.2%
Median Total Wages 7-12 Months After Exit	\$20,425

Interior Region

Alaska's Interior Region includes the Fairbanks North Star Borough, Southeast Fairbanks Census Area, Denali Borough, and Yukon-Koyukuk Census Area.

The region is large and diverse, and includes both the state's second most populated area (Fairbanks North Star) as well as the least populated county equivalent in the country, the Yukon-Koyukuk Census Area.

Population

The Interior Region's 2014 population was 112,197, which was 15.3 percent of the state. The region's population has declined 0.3 percent over the past five years; however, declines and volatility have varied among its boroughs and census areas.

About 53 percent of the region's population is male versus 52 percent for the state as a whole. Alaska Natives make up about 14 percent of the population.

Unemployment rates

Unemployment rates in the Interior tend to track with the state overall, but this is largely due to lower rates in Fairbanks, which average about 1 percentage point lower than statewide. The region's other areas run significantly higher. In 2014, unemployment rates in Denali Borough and the Southeast Fairbanks and Yukon-Koyukuk census areas averaged 10.1, 13.1, and 18.8 percent respectively.

Unemployment rates for the region have trended downward over the past five years, following statewide patterns.

Jobs in the Interior Region

Fairbanks

In addition to serving as the Interior's transportation hub, Fairbanks is its economic, medical, educational, and cultural center. Alaska's flagship university, the University of Alaska Fairbanks, is the borough's largest employer, and the area is home to Fort Knox Gold Mine. Eielson Air Force Base and Fort Wainwright also generate many civilian jobs.

Fairbanks is a mostly urban center with workers spanning all industries. The largest sectors in Fairbanks by number of workers are retail trade, state government, health care, and accommodation and food service. Together, these four employ about half of all workers.

Fairbanks' workforce numbered nearly 46,000 in 2013, or 11 percent of the state's workers. Over three-quarters of the workers who live in Fairbanks also work there. However, a number of industries have high percentages of workers who live outside the borough. Mining had the highest at 42 percent. Professional, scientific, and technical services followed at 35 percent.

Notable occupations in Fairbanks with more than 100 workers and high percentages of nonlocals include:

- Miners, Except Drillers and Machine Operators
- Extraction Workers, All Other
- Millwrights
- Tour Guides and Escorts
- Community and Social Service Specialists
- Baggage Porters and Bellhops
- Chefs and Head Cooks
- Bus Drivers, Transit and Intercity
- Cooks, All Other
- First-Line Supervisors of Housekeeping and Janitorial Workers
- Cooks, Restaurant
- Driver/Sales Workers
- Hotel, Motel, and Resort Desk Clerks

- Maids and Housekeeping Cleaners
- Dishwashers
- Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop
- Dining Room and Cafeteria Attendants and Bartender Helpers
- Postsecondary Teachers, All Other
- Waiters and Waitresses
- Food Prep and Serving Related Workers, All Other
- Supervisors of Construction and Extraction Workers
- Bartenders
- Operating Engineers and Other Construction Equipment Operators

Rural Interior

The rural areas of the region are the Denali Borough, Southeast Fairbanks Census Area, and Yukon-Koyukuk Census Area.

The Rural Interior is the largest geographically in Alaska but the least populous. The area is large and diverse with no single economy; a few key industries keep parts of the region flourishing. The subregion had 11,286 workers in 2013, but only 43 percent were local residents.

Local government, accommodation and food service, and mining employ 60 percent of Rural Interior workers. Local government is the region's largest industry and one of the few to offer year-round.

Workers in the highly seasonal accommodation and food services industry — concentrated in Denali National Park — are mostly not local. The mining industry, which includes Usibelli Coal Mine in Denali Borough and Pogo Gold Mine in Southeast Fairbanks Census Area, also has a high percentage of nonlocal workers.

Notable Rural Interior occupations with more than 100 workers and are more than half nonlocal include:

- Miners, Except Drillers and Machine Operators
- Community and Social Service Specialists, All Other
- Cooks, Restaurant
- Driver/Sales Workers
- Hotel, Motel, and Resort Desk Clerks
- Tour Guides and Escorts
- Waiters and Waitresses
- Dishwashers
- Retail Salespersons
- Maids and Housekeeping Cleaners
- Food Preparation and Serving Related Workers, All Other
- Mining Machine Operators
- Food Preparation Workers
- Bookkeeping, Accounting, and Auditing Clerks
- General and Operations Managers
- Operating Engineers and Other Construction Equipment Operators
- Cashiers

The Galena Interior Learning Academy (GILA) is a 9-12 grade vocational boarding school in the Interior Region that also offers postsecondary adult vocational training. GILA's TVEP program is administered by the Alaska Department of Education and Early Development.

Partners

- Louden Tribal Council
- City of Galena
- Alaska Energy Authority
- Yukon River Inter-Tribal Watershed Council
- Alaska Department of Labor and Workforce Development
- U.S. Air Force

Number of students enrolled

GILA enrolled 241 students during the 2014-15 school year.

Dual University/High School Credit	156 students earned university credit 588 university credits earned
Aviation	5 students advanced to solo flights 3 passed the FAA Written PPL Exam 1 passed the FAA Instrument Rating Written Exam 2 FAA PPL Check Rides scheduled for 5-11-15
Culinary Arts	47 students obtained State Food Handler's Card
Cosmetology	16 students applied for State Permits
Driver's Ed	73 students passed their DMV Permit Exam

Course offerings

GILA offers vocational certification in the following programs:

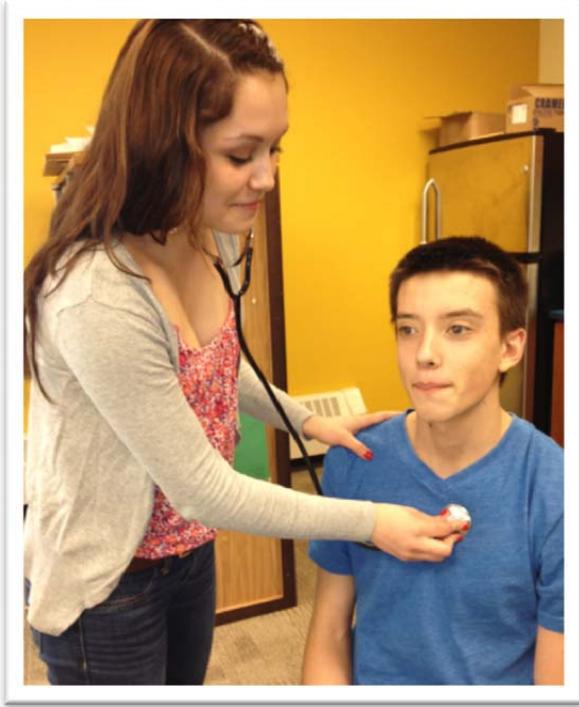
- Aviation
- Applied Mechanics
- Culinary Arts
- Construction Technology
- Health Science
- Computer Science
- Cosmetology

Students achieve the academic skills necessary to pass the Alaska High School Graduation Qualifying Exam.



Students in the culinary arts program can receive on-the-job training through our in-house culinary vo- tech /work study program, Food Safety Manager's certification, and training in Pro-Start, a nationally recognized food service training program.

The Galena City School District is drafting a policy for school board approval to accept and transcribe military credit hours toward a degree or technical/vocational program.



The classes provide the basics for exploration of health careers, including the roles and responsibilities of health care workers, career and educational opportunities, medical terminology, medical/legal ethics, confidentiality, safety, infection control, technology, problem solving, basic medical skills, and anatomy/physiology related to emergency medical care.

Many of the classes offered at GILA can be applied toward a health science degree or certificate program. UAF degree/certificate programs that may require these credits are as follows:

- Dental Assistant (Certificate/AAS)
- Medical Assistant (Certificate /AAS)
- Health Care Reimbursement Certificate
- Medical/Dental Reception Certificate



Students begin their training in Private Pilot Ground School. In this class, they build a foundation of knowledge about aviation that is applicable to many aviation-related vocations.

After Ground School, students have the opportunity to further their pilot training by participating in our Private Pilot Flight School Program. During this class students complete the aeronautical training and experience requirements to obtain a Private Pilot Certificate to operate single-engine airplanes.

No performance data are available for Galena Interior Learning Academy 2013-2014 program exiters.

Partners for Progress in Delta

www.partnersforprogressindelta.org

The Partners for Progress in Delta, Inc. (PPD) is a 501(c)(3) nonprofit committed to building Alaska's workforce through career advancement education and training.

Recognized as a Regional Training Center in Alaska since 2008, the PPD operates jointly with the Delta/Greely School District and the Delta Career Advancement Center in Delta Junction. Summer academies, custom and special topic classes, certification opportunities, and degree core requirement classes are offered through the organization's partners.

Partners for Progress in Delta, Inc. works directly with partners who are credit bearing or certifying education and training to provide opportunities for military personnel/veterans to be given credit for prior service and learning whenever applicable.

Partners

- Alaska Works Partnership
- Delta/Greely School District
- UAF Community and Technical College
- Cooperative Extension Service

Number of students enrolled

In 2015, 278 students were enrolled.

Students are primarily from the greater Delta area with the summer academy attracting students from around the state, including rural communities. More than 20 academy participants have been accepted into apprenticeships since 2007.

Course offerings

The organization's partners deliver a range of classes and workshops at the center:

- Welding
- Metals Fabrication
- Aviation
- Construction Trades
- Heavy Equipment Operator and Mechanics Academy
- Certified Nurse's Aide
- Small Business Development
- AutoCAD
- Culinary Arts
- Word and Excel
- Pesticide Certification
- First Aid, CPR, MSHA
- Forklift Certification
- Boiler Repair and Residential Heating Controls
- Conversational Russian I
- Mathematics for the Trades
- Intro to Health Careers, Medical Terminology

Partners for Progress in Delta has developed policies and procedures to ensure the acceptance of credit or hours toward a degree and tracks dual credits earned based on their articulation agreements.



Students in Aviation Class working on an airplane wing

There has been a School-to-Apprenticeship Agreement in place with the trades since 2003. Tech prep agreements exist for Accounting, Welding, Metals Fabrication, AutoCAD, Mathematics for the Trades, Intro to Health Careers, and Intro to Culinary Fields.



Top photo: Governor Walker and Commissioner Heidi Drygas visiting the June 2015 Academy
 Photo below: June 2015 graduation

Partners for Progress in Delta Performance Indicators for Participants Exiting in SFY 2014	
Total Training Participants Identified	102
Employed in Alaska One Year After Leaving Training Program	58
Percent Employed in Alaska One Year After Leaving Training Program	56.9%
Median Total Wages 7-12 Months After Exit	\$10,788



Southwest Region

The Southwest Region includes the Kusilvak, Bethel, Dillingham, and Aleutians West census areas and the Bristol Bay, Lake and Peninsula, and Aleutians East boroughs. Fishing and fish processing are the region's dominant industries.

Population

The Southwest Region's 2014 population was 42,499, which was 5.8 percent of the state's population. As a whole, the region's population has grown 4.6 percent over the past five years.

Unemployment rates

Unemployment rates in Southwest run significantly higher than the state overall. Regional rates vary among areas due to extreme seasonality in some and chronically high rates in others, such as Kusilvak, which consistently has among the highest unemployment rates in the state.

Bristol Bay Borough, which had an average unemployment rate of 7.9 percent in 2014, records extreme rate swings between summer and winter based on the area's huge salmon fishery. It is not uncommon for Bristol Bay to have the lowest unemployment in the state in June and July and rise to over 20 percent during January and February.

Jobs in the Southwest Region

The region had 32,879 workers in 2013, excluding fish harvesters, with manufacturing as its largest employer (mainly seafood processing). The Southwest manufacturing industry employed 10,641 workers, or 32.4 percent of the area's wage and salary workers.

Seafood processing has historically employed a high percentage of nonresidents, as it tends to be extremely seasonal, remote, and relatively low-paying. In most communities with seafood processing plants, the local population can't satisfy the peak demand for workers. Of all manufacturing workers in Southwest, 77.1 percent were nonresidents and just 7.9 percent were nonlocal Alaskans. Locals were 15.0 percent, and they earned more on average than nonlocal residents and nonresidents. Local workers may hold higher-paying jobs and work more months of the year.

The seafood processing industry in Southwest Alaska makes up a significant portion of Alaska's total nonresident workforce. Nonresidents in Southwest manufacturing represent 44.3 percent of all nonresidents working in manufacturing and 9.5 percent of Alaska's total nonresident workforce. It's the primary reason 36.7 percent of Southwest workers are nonresidents — the highest percentage in all Alaska regions.

Local government is the second largest employer, similar to other rural regions. It employed 8,370 workers in 2013, 85.2 percent of whom were local. Other large industries in the region are health care and social services and retail.

Not all of Southwest is tied to commercial fishing. Lake and Peninsula Borough and the Bethel and Kusilvak census areas have much smaller numbers of seafood processors, and Kusilvak had the highest percentage of local workers in 2013, at 81.2 percent.

Notable occupations in Southwest with more than 100 total workers and high percentages of nonlocal workers include:

- Tour Guides and Escorts
- Meat, Poultry, and Fish Cutters and Trimmers
- Surimi Technicians
- Fishers and Related Fishing Workers
- Seafood Processing Workers, Except Surimi & Fish Roe
- Electricians
- Plumbers, Pipefitters, and Steamfitters
- Construction and Related Workers, All Other
- Maids and Housekeeping Cleaners
- Material Moving Workers, All Other
- Cargo and Freight Agents
- Carpenters

Yuut Elitnaurviat (Yuut) in Bethel is a 501(c)(3) corporation that provides training and education for the Yukon-Kuskokwim Delta. Training programs cover adult basic education, construction, career guidance, driver education (including mining and commercial driving programs), health care, and public safety. The YE Regional Vocational Campus consists of two 22-bed dormitories, a 68-bed dormitory, a construction trades shop, and a 20,000 square-foot state-of-the-art Technical Education and Support Services (TESS) Building.

Yuut Elitnaurviat has developed and implemented a policy and procedure for military/personnel/veterans to apply/petition for credit, certification, or licensure of eligible program for learning acquired in military service training and experience at levels consistent with ACE.

Partners

- Alaska Department of Public Safety
- Association for Village Council Presidents
- Yukon Kuskokwim Delta Apprenticeship Program
- Alaska Native Tribal Health Consortium
- Alaska Native Science and Engineering Program
- Lower Kuskokwim School District
- Donlin Gold
- Calista Corporation
- Bethel Community Services Foundation
- Alaska National Guard
- University of Alaska Fairbanks
- City of Bethel
- Oruitsaramuit Native Council
- Yukon-Kuskokwim Health Corporation
- Association of Village Council Presidents, Regional Housing Authority

Number of students enrolled

In 2015, 728 students were enrolled.

Yuut Elitnaurviat has developed policies and procedures to ensure the acceptance of credit or hours toward a degree and tracks dual credits earned based on their articulation agreements.

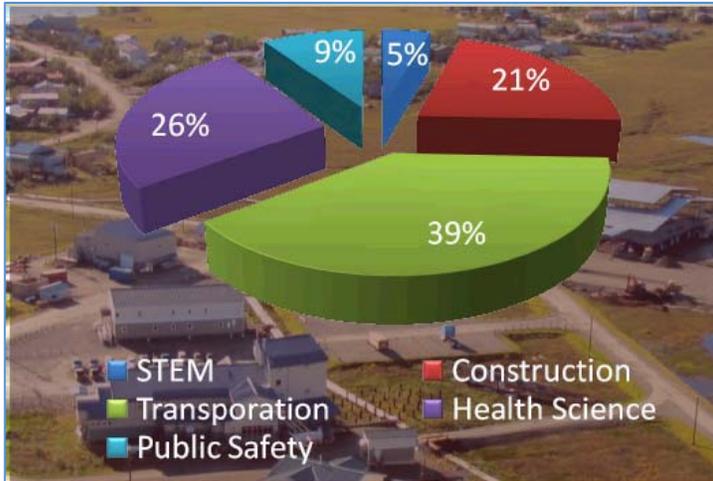
Course offerings

- Village Police Officer
- GED Services
- Commercial Driver's License
- Driver's Education
- Dental Health-Aide Therapy Program
- Certified Nursing Assistant
- Registered Nursing Program
- Employer Driven Training
- Dual Credit Youth Construction
- College and Career Ready Program
- Dental Assisting
- Mine Training
- First Aid/CPR/BLS
- Rural Facility Maintenance Technician
- Wind Turbine Assistant Technician Training

The Kuskokwim Learning Academy began using Yuut's construction trades shop for hands-on training so that students can graduate with a diploma and skills that will lead to jobs in the trades. To support the Learning Academy and the school district "Ready" programs, Yuut expanded its meal and residential services to feed students in both of these programs and house all of the "Ready" students on campus. The board has prioritized expanding these services to high school programs. They are also expanding programs so that village based students can participate in trades classes. Yuut provides direct-to-employment training in welding, commercial driving, health care, apprenticeship and law enforcement.

Yuut offers programs within five of the National Career Clusters. Almost 40% of their FY15 services were in the Transportation Cluster. About a quarter of the services were in the Health Science Cluster and close to a fifth were in the

Construction Cluster. The Public Safety and STEM (Science, Technology, Engineering, and Math) Clusters made up the final 14%.



Construction trades: Yuut manages the federally registered Yukon Kuskokwim Delta Apprenticeship program, which has apprentices in industrial carpentry, plumbing, and electrical.

Health Care: Yuut hosts the Dental Health Aide Therapy (DHAT) Program in partnership with the Alaska Native Tribal Health Consortium (ANTHC) and has the only dental training clinic in rural Alaska.

Driver Education: Yuut delivers full six-week commercial driver’s license courses based on the Professional Truck Drivers Association (PTDI) curriculum, which is approved by the Alaska Division of Motor Vehicles.

Public Safety: In partnership with the Alaska Department of Public Safety, Yuut organizes, administers, and houses both the Village Public Safety Officer (VPSO) training and the

Village Police Officer/Tribal Police Officer (VPO/TPO) training academies for the state.

State

www.deltadiscovery.com/story/2014/12/31/inside-bethel-news/wells-fargo-provides-30000-grant-to-yuut-elitnaurviat/2800.html

<http://www.adn.com/article/20130815/overcoming-obstacles-build-rural-alaskan-workforce>

<http://kyuk.org/yuut-elitnaurviat-celebrates-new-dormitory/>

Yuut Elitnaurviat Performance Indicators for Participants Exiting in SFY 2014	
Total Training Participants Identified	1,462
Employed in Alaska One Year After Leaving Training Program	1,055
Percent Employed in Alaska One Year After Leaving Training Program	72.2%
Median Total Wages 7-12 Months After Exit	\$4,948

Southwest Alaska Vocational and Education Center (SAVEC)

www.savec.org

The Southwest Alaska Vocational and Education Center (SAVEC) is a 501(c)(3) organization located in the Southwest Region on the former Air Force base in King Salmon. The center provides career and workforce development training to Bristol Bay residents and rural residents from around the state. SAVEC is governed by an eight-member board of directors that includes representation from all of the major regional organizations in Bristol Bay.

SAVEC's mission is "to promote, coordinate, and provide high quality training and education to residents of Southwest Alaska." This is an independent organization, which allows for flexibility and the ability to respond quickly to the needs of industries. The center has a significant infrastructure in place that helps it to be an outstanding educational provider. The center is equipped with distance learning capabilities and considered one of the most advanced classroom technology centers in the state utilizing Smart Board Technology, Audio Conferencing, Video Conferencing (VTC), and wireless Internet throughout its facility.

Partners

- Lake and Peninsula Borough
- UAF Bristol Bay Campus
- Bristol Bay Housing Authority
- Bristol Bay Area Health Corporation
- Bristol Bay Native Association
- Bristol Bay Native Corporation
- Bristol Bay Borough
- Bristol Bay Economic Development Corporation

Number of students enrolled

In 2015, 268 students were enrolled.

SAVEC has developed policies and procedures to ensure the acceptance of credit or hours toward a degree and tracks dual credits earned based on their articulation agreements.

In addition, the center is a nonprofit Rapid Response Training Center that provides industry-driven education in occupations essential for Alaskans to fill the approximately 70% of state jobs that require a high school diploma and some additional postsecondary or job training. The educational training focus is on community, industry, and agency needs.

Course offerings

Some of the workforce development focus areas are:

- Construction Technology
- Computer Technology
- Commercial Driver's Licensing
- First Aid / CPR / EMT
- Heavy Equipment Operation
- U.S. Coast Guard Operator for Uninspected Passenger Vessel Six Pack: for passenger vessels up to six people
- U.S. Coast Guard 25/50/100 Ton Masters (Captain) license testing and certification
- Hazard Analysis Critical Control Point (HACCP) for U.S. Food and Drug Administration certification for fisheries processing to meet FDA compliance
- U.S. Coast Guard Drill Conductor for each fishing vessel as required by Coast Guard
- Marine Refrigeration RSW: Bristol Bay Economic Development requirement for the installation of RSW systems on Bristol Bay fishing vessels
- General Maintenance Technician
- OSHA 10 and HAZWOPER Classes
- Welding Technology
- North Slope Training Card

The Southwest Alaska Vocational and Educational Center is drafting a policy for board approval to accept and transcribe military credit hours toward a degree or technical/vocational program.

SAVEC maintains a 22,000 square foot training center that provides housing.



Student Rooms: 15 rooms with two twin beds
 Instructor Rooms: 2 rooms with queen bed

Classroom/meeting rooms

- Equipped with Smart Board Multimedia, projector, DVD/VCR, and computer. Capacity 20-25.
- Combination classroom: Video distance delivery equipment. Capacity of 50 or 25.
- Computer lab: 12 Quad 4 computers (including one instructor station) Smart Board, multimedia, projector, and DVD/VCR.
- Construction lab/classroom: Two white boards and electric tools. Capacity of 10-20.
- Multi-purpose lab/classroom: Smart Board multimedia, projector, DVD/VCR, and computer. Capacity 20-25.



Basic Framing Class



SAVEC Performance Indicators for Participants Exiting in SFY 2014	
Total Training Participants Identified	249
Employed in Alaska One Year After Leaving Training Program	182
Percent Employed in Alaska One Year After Leaving Training Program	73.1%
Median Total Wages 7-12 Months After Exit	\$13,319

Gulf Coast Region

Alaska's Gulf Coast region includes the Kenai Peninsula and Kodiak Island boroughs and Valdez-Cordova Census Area. The TVEP recipients located in the region include the Alaska Vocational and Technical Education Center (AVTEC) in Seward, and the Amundsen Educational Center (AEC), formerly New Frontier Vocational Technical Center, in Soldotna.

Population

Gulf Coast Region's 2014 population was 80,576, which was nearly 11 percent of the state's total. The region's population has fluctuated in recent years, but has increased by 1,492 people, or 2 percent, since 2010.

About 52 percent of the region's population is male, about the same the state as a whole. Alaska Natives make up about 14 percent of the population.

Unemployment rates

Gulf Coast Region unemployment rates show the same seasonal pattern as the statewide rates, but are generally about a percentage point higher. The region's average monthly unemployment rate was 7.7 percent in 2014, continuing a four-year trend of declining rates. Within the region, the Kenai Peninsula Borough's unemployment rate averaged 7.8 percent in 2014, Kodiak 5.7 percent, and Valdez-Cordova 9.5 percent.

Jobs in the Gulf Coast Region

The Gulf Coast Region is economically and geographically diverse. On the Kenia Peninsula, tourism plays a significant role and both sport and commercial fishing are economic drivers. The borough also has considerable oil and gas extraction.

The Kodiak Island Borough is home to part of Alaska's fishing fleet as well as one of the largest Coast Guard bases in the U.S. The Valdez-Cordova Census Area includes the coastal communities of Valdez and Cordova as well as inland communities in the Copper River basin. Valdez is the southern terminus of the Trans-Alaska Pipeline and the port through which North Slope oil is shipped to market.

The Gulf Coast Region has nearly 45,000 workers, and almost two-thirds work in the Kenai Peninsula Borough. Manufacturing — mostly seafood processing but including oil refining — employs almost 6,500 people. Local government is another large employer, with nearly 6,000 workers. Health care is another large industry in the region with just over 5,000 workers, 90 percent of whom are Alaska residents.

Seafood processing occupations accounted for nearly 4,000 workers in the region, the most of any occupation. However, many of these jobs are seasonal, tend to pay lower wages, and are held primarily by nonresidents. Higher paying occupations with larger numbers of workers include Construction Laborers, Registered Nurses, and Operating Engineers.

Occupations in the region are as diverse as the industries. The occupations reflect the oil and gas industry in Kenai, the seafood processing industry in Kodiak, and port activities of the Valdez area.

- Tour Guides and Escorts
- Meat, Poultry, and Fish Cutters and Trimmers
- Agricultural Workers, All Other
- Derrick Operators, Oil and Gas
- Seafood Processing Workers, Except Surimi and Fish Roe
- Fishers and Related Fishing Workers
- Amusement and Recreation Attendants
- Sailors and Marine Oilers
- Commercial Pilots
- Cooks, Restaurant
- Dining Room and Cafeteria Attendants and Bartender Helpers
- Waiters and Waitresses
- Maids and Housekeeping Cleaners
- Captains, Mates, and Pilots of Water Vessels
- Dishwashers
- Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop
- Hotel, Motel, and Resort Desk Clerks

Alaska Vocational and Technical Education Center (AVTEC)

www.avtec.edu

The Alaska Vocational and Technical Education Center (AVTEC) is located in Seward in the Gulf Coast Region. This postsecondary vocational and technical training center's mission is to train a diverse and effective workforce that supports the economic growth and stability of Alaska.

AVTEC is nationally accredited by the Council on Occupational Education and serves approximately 1,800 students per year in job preparatory and job upgrade training programs.

Partners

- Alaska Railroad
- GCI
- Holland America – Princess Alaska
- City of Seward
- Chenega Corporation
- Chugach Alaska Corporation
- NC Machinery Company
- Price Gregory International, Inc.
- Four Seasons Marine Services
- Udelhoven Oilfield System Services, Inc.
- Bristol Bay Native Corporation
- Calista Corporation
- Pile Drivers and Divers Union
- Plumbers and Pipefitters Local 367
- Alaska Industrial X-Ray
- Arctic Foundations
- Air Liquide
- Ironworkers Local 751
- SteelFab
- Alaska Sheet Metal Workers Local 33
- Western Sheet Metal and Controls
- Seward Fisheries
- Johnstone Supply Co
- Aurora Refrigeration
- Alaska State Hospital and Nursing Home Association

Number of students enrolled

In 2015, 1,602 trained at AVTEC.

AVTEC has developed policies and procedures to ensure the acceptance of credit or hours toward a degree and tracks dual credits earned based on their articulation agreements.

Course offerings

- Alaska Culinary Academy
- Alaska Maritime Training
- Allied Health – Nurse Assistant
- Allied Health – Practical Nurse
- Diesel/Heavy Equipment Technologies
- Pipe and Combination Welding
- Construction Technology
- Industrial Electricity
- Plumbing and Heating
- Refrigeration
- Power Plant Operation
- Business and Office Technology Program

Economic impact

TVEP funding has allowed AVTEC to support rural and urban Alaskans from every region. It helps provide support staff for housing, student support activities, and other student service from admissions to financial aid assistants. Many students were unemployed or underemployed in their region and become gainfully employed with this TVEP-funded training. The 24/7 dorm attendants and personal assistance AVTEC's business staff provides are key to these students' success. This training helps them provide a living wage to support themselves and their families for years to come.

AVTEC has developed and implemented a policy and procedure for military personnel and veterans to apply/petition for credit, certification, or licensure of eligible program for learning acquired in military service training and experience at levels consistent with ACPE.

Here are examples of students whose lives were improved by their AVTEC experience:

Joe Procel, AVTEC December 2012 Plumbing and Heating graduate, works for Johnson Controls in Anchorage.

Procel was hired immediately after graduation by ALKOTA Plumbing and Heating in Anchorage. He began his apprenticeship working under journeymen while furthering his knowledge and skills learned at AVTEC. He completed a large share of his apprenticeship with Alkota, but dreamed of working in the building automation field.

Tim Shearer, AVTEC Plumbing and Heating instructor, remembers Procel wanting to work for Johnson Controls, a large and well established building controls and HVAC contractor. It took Procel nearly 17 months to get that interview, but in the meantime, he gained knowledge and experience in the building trades. "I kept calling and bugging them," Procel said. "Finally, a lead technician agreed to interview me." The tech told his boss, "Hire that guy." He was hired and fast-tracked into the Plumbers and Pipefitters Union, where he will receive additional training in subjects such as AutoCAD, Structural and Pipe Welding, Refrigeration, and even Water and Wastewater Treatment.

Procel is well on his way to a successful career in the heating, ventilation, air conditioning, and plumbing trades. Procel said, "My career can take any of several directions now, all with great pay, benefits, and job satisfaction. And it all began at AVTEC."



AVTEC Performance Indicators for Participants Exiting in SFY 2014	
Total Training Participants Identified	874
Employed in Alaska One Year After Leaving Training Program	713
Percent Employed in Alaska One Year After Leaving Training Program	81.6%
Median Total Wages 7-12 Months After Exit	\$15,270

Amundsen Educational Center (AEC), formerly New Frontier Vocational Technical Center, is a vocational school in the Gulf Coast Region on the Kenai Peninsula in Soldotna. Amundsen focuses on training rural Alaskans for entry-level business, construction, and medical office occupations.

Partners

- Bering Straits Foundation
- Sitnasuak Foundation
- Norton Sound Health Corporation
- Norton Sound Economic Development Corp
- Kawerak, Inc.
- Coastal Village Region Fund
- The NIMA Corporation
- North Island Scholarship Fund
- The Bethel Association of Village Presidents
- Kenaitze Indian Tribe
- Buckland IRA
- Department of Vocational Rehabilitation
- Alaska Mental Health Board Trust
- Kenai Peninsula College – Adult Learning Center
- Covenant Youth of Alaska
- Kenai Peninsula Job Center

Number of students enrolled

In 2015, 12 students were enrolled. Three students were in the construction program and nine students were in the general office occupation program.

The Amundsen Educational Center has developed policies and procedures to ensure the acceptance of credit or hours toward a degree and tracks dual credits earned based on their articulation agreements.

Course offerings

AEC offers the following educational opportunities:

- Residential Construction
- Advanced Residential Construction
- Accounting Clerk
- General Office Clerk
- Administrative Assistant
- Professional Medical Coding

Building Hope Construction

Construction students are involved in the Building Hope Construction program of AEC. Their fully owned construction company engages students in the construction of homes, from footings to finish carpentry, which are sold upon completion. The home building process provides the perfect laboratory for hands-on experience in the building trades and provides the following construction-related diplomas:

- Diploma in Residential Construction
- Diploma in Advanced Residential Construction

Three homes were built and sold over the past three years:

2012-2013	2013-2014	2014-2015
3 BR 2 Bath	3 BR 2 Bath	3 BR 2 Bath
1,500 sq ft	1,764 sq ft	1,628 sq ft
\$253,000	\$262,000	\$279,500



These homes represent a year of training for students. The sale of each home is reinvested each year into the purchase of a lot and materials for the next year’s project. AEC’s contractor and instructor, Keith Pieh, continues to build a solid reputation in the community for a quality product. The community is very supportive of AEC’s efforts to train young people in the construction trades. AEC’s banker, realtor, and vendors all have helped by giving the best possible deal while still making a profit.



Professional medical coding and office occupations

AEC offers vocational tracks that focus on entry-level business and medical office education and has a strong record of training and employment placement. They provide training in professional medical coding, which is a growing profession. Central Peninsula Hospital continues to expand its facilities and medical staff, and more doctors’ offices are springing up around the community on a continual basis. Every department and office needs at least one medical coder, and providing a local source for training nationally certified medical coders gives employers the confidence that they are getting a well-trained, qualified employee.

Diplomas and certificates provided include:

- Accounting Clerk Diploma
- General Office Clerk Diploma
- Computer Information Processor Diploma
- Professional Medical Coding Diploma
- Individual Course Offerings



Joel Towark earned diplomas in both Residential Construction (2011-12) and Advanced Residential Construction (2012-13) programs. He has returned to his village of Unalakleet to work at West Coast Aviation and Construction. Joel has been praised by his employer: “I want to thank the cargo guys, Donald and Joel, for doing an AWESOME job today! You guys rock! We juggled many flights and moved a couple hundred villagers back to their homes with back-to-back flights, non-stop. Thanks for making it fun and making me laugh with your humor, especially this morning when I was one hour late and you guys handled the first flight without me.”

AEC Performance Indicators for Participants Exiting in SFY 2014	
Total Training Participants Identified	20
Employed in Alaska One Year After Leaving Training Program	14
Percent Employed in Alaska One Year After Leaving Training Program	70.0%
Median Total Wages 7-12 Months After Exit	\$11,415

Southeast Region

The Southeast Region is composed of the cities and boroughs of Juneau, Sitka, and Wrangell; the Haines, Ketchikan, Skagway, and Yakutat boroughs; and the Prince of Wales-Hyder, Hoonah-Angoon, and Petersburg census areas.

Population

The Southeast Region's 2014 population was 74,280, just over 10 percent of the state's total. The region's population has been relatively unchanged over the past three years, but has grown by 2,118 people, or 3 percent, since 2010.

About 53 percent of the region's population is male versus 52 percent for the state as a whole. Alaska Natives make up about 23 percent of the population.

Unemployment rates

Unemployment rates in Southeast have generally tracked with the state overall over the past five years. However, rates can vary among areas due to the extreme seasonality of summer tourism and fishing.

Skagway, which relies heavily on summer tourism, can have unemployment rates swing from a low of near 4 percent in the summer to over 25 percent in the winter. On the other side of the spectrum, the City and Borough of Juneau has among the most stable rates in the region due to the larger presence of government employment. Unemployment rates in Juneau also average lower than the state as a whole.

Jobs in the Southeast Region

The mining and timber industries were historically important in Southeast, but the fading role of logging has given way to cruise ship tourism. Fishing and fish processing are both big employers as well. Government is an important employer in Southeast as the region's concentration of government employment is higher than any other.

Southeast had more than 48,000 workers in 2014. Its largest industry was local government, which employed 7,600 workers. State government was next with 6,100 workers. Retail trade and health care and social assistance were other large industries in the region.

Manufacturing is the fourth-largest industry and the largest source of nonresident workers, largely due to the seafood processing industry. Of the 4,700 manufacturing workers in Southeast, 69 percent are nonresidents. Accommodation and food services employed 1,700 nonresidents, who made up 38 percent of the industry's workforce.

Mining, which has grown since the opening of Kensington Mine near Juneau, employs more than 1,000 workers, 44 percent of whom are nonresidents.

The Southeast Region has three university campuses that receive TVEP funds, located in Sitka, Juneau, and Ketchikan. Information about TVEP programs at these campuses are included in the following section about the University of Alaska TVEP program.



UNIVERSITY
of ALASKA
Many Traditions One Alaska

The University of Alaska (UA) is the most productive and comprehensive provider of workforce training in Alaska and has been a major recipient of TVEP as a funding source for expanding workforce development training since the program’s inception. UA manages its TVEP funds to initiate or enhance workforce development programs. The allocations are made to programs or projects that address State of Alaska priority workforce development needs, meet high-demand and/or regional workforce needs, align with university priorities, promote collaboration across the UA system, and expand partnerships with industry and communities.

Number of students enrolled

University of Alaska Performance Indicators for Participants Exiting in SFY 2014	
Total Training Participants Identified	4,261
Employed in Alaska One Year After Leaving Training Program	3,075
Percent Employed in Alaska One Year After Leaving Training Program	72.2%
Median Total Wages 7-12 Months After Exit	\$13,733

University of Alaska TVEP Concurrent Enrollment in SFY15*	
*Represents approximately 7% of concurrent enrollment at UA based on FY14 Articulation Agreement Inventory	
School Districts with Articulation Agreements	22
Courses with Concurrent Enrollment Students	32
Students Who Completed Concurrent Enrollment Courses	160

Employment highlights

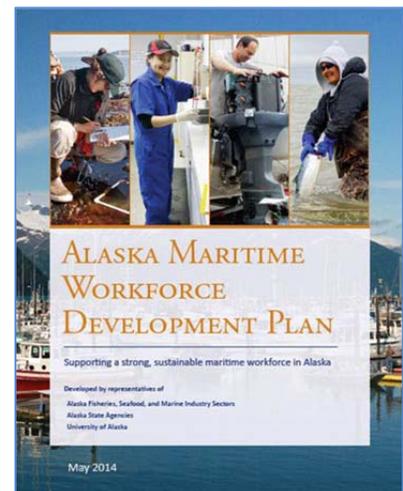
UA has used TVEP funds to build programs connected with Alaska’s workforce development plans in health, oil and gas, maritime, and mining. Graduates from these programs find employment upon successful completion from both credit and noncredit programs with many building their careers in their field of study. Below are a few examples of graduate and employment outcomes from these programs.

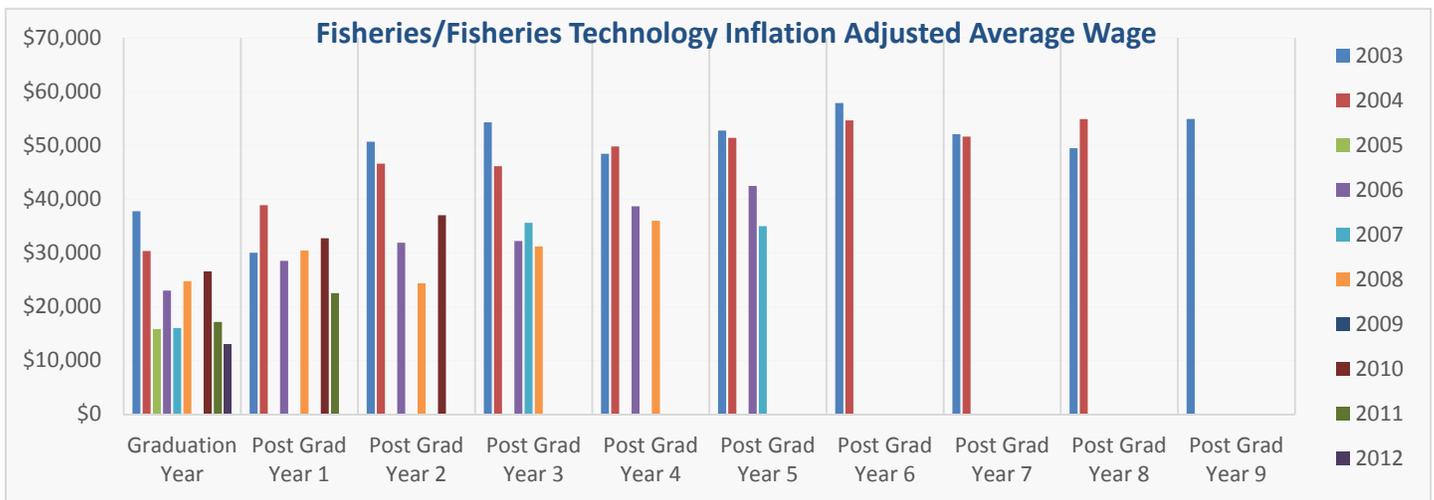
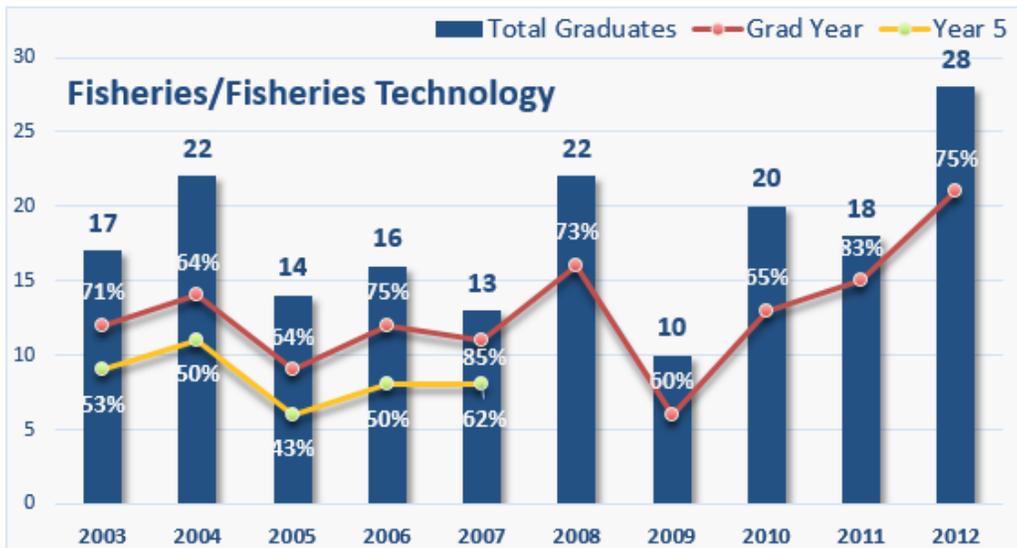
Fisheries and fisheries technology

Between FY13 and FY15, UA utilized \$832,900 in TVEP funding to support the development of Alaska’s workforce in the fishing, seafood, and maritime (FSM) industries, Alaska’s largest employment sector.

UA’s fisheries and fisheries technology programs are examples of TVEP-supported FSM programs that are growing in enrollment each year and producing graduates who are becoming employed in their field of study.

These programs graduated an average of 19 students per year with 72%, on average, being employed in their field of study within their graduation year. Five years later, 62% continued in the field. The graduates earned an average of \$24K during their graduation year, increasing to an average of \$45K within five years.



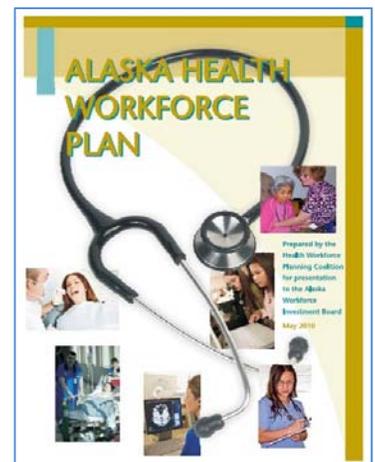


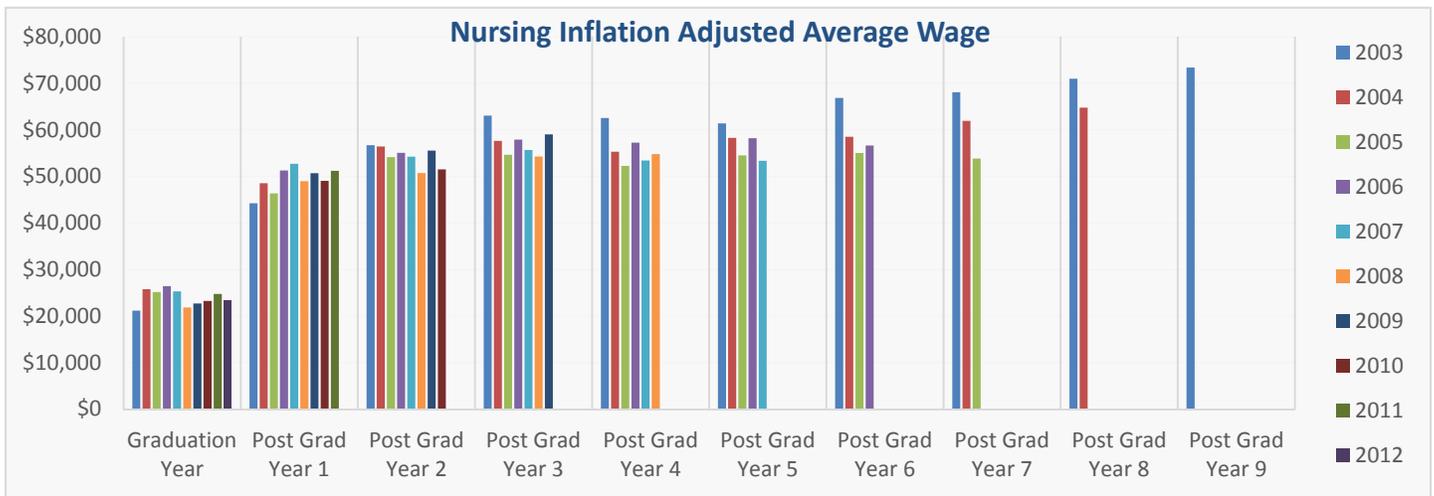
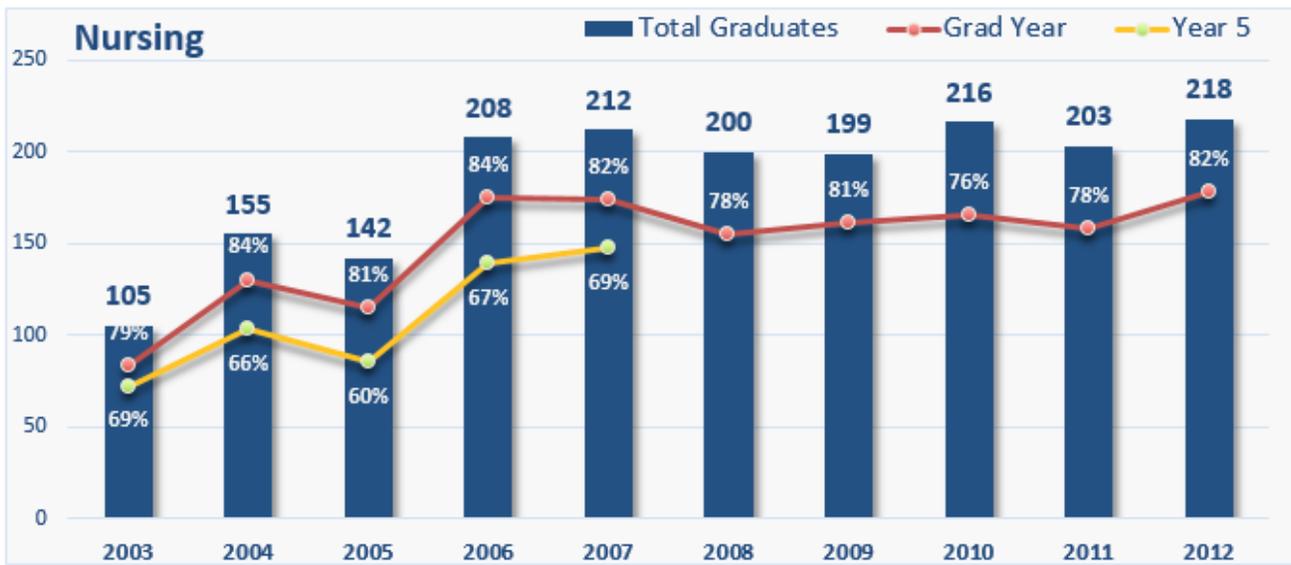
Nursing

Between FY13 and FY15, UA utilized \$3.6M in TVEP funding to support the development of Alaska’s health workforce.

Health care is one of the fastest growing sectors in Alaska, and UA’s nursing programs are another example of how TVEP funds are helping to produce graduates who are becoming and continuing to be employed in their field of study.

These programs graduated an average of 189 students per year with 72%, on average, being employed in their field of study within their graduation year. Five years later, 69% continued in the field. The graduates earned an average of \$23K during their graduation year, increasing to an average of \$57K within five years.



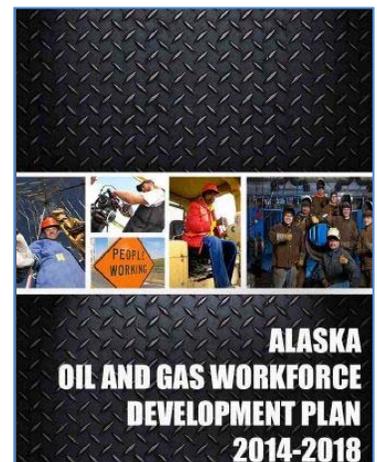


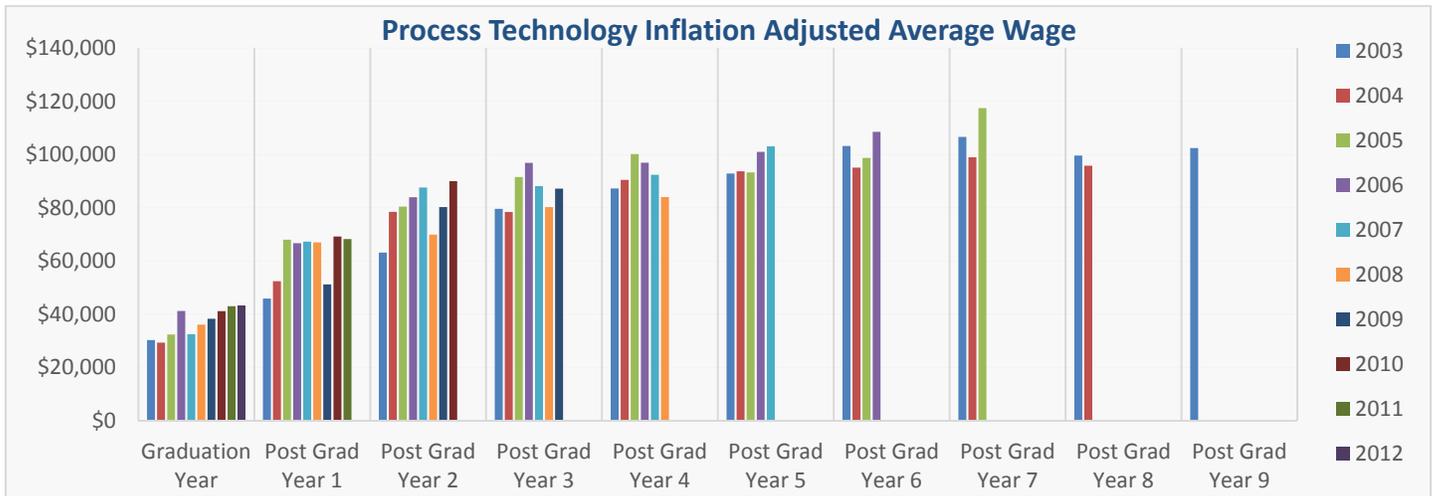
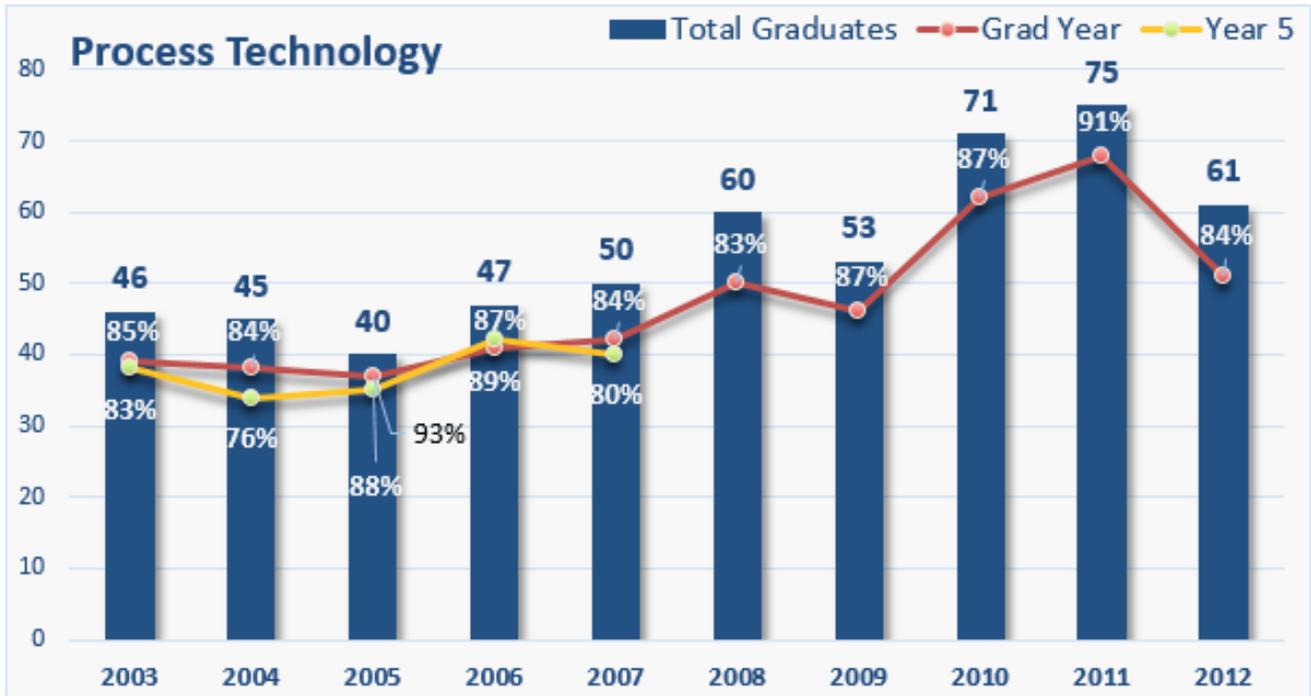
Process technology

Between FY13 and FY15, UA utilized \$2.3 million in TVEP funding to support the development of Alaska’s oil, gas, and mining workforce.

UA’s process technology programs are one of several TVEP supported programs related to oil, gas and mining that have increased the number of graduates significantly since 2005. These graduates are also being employed and maintaining employment in their field of study at an impressive rate.

These programs have graduated an average of 57 students per year with 87%, on average, being employed in their field of study within their graduation year. Five years later, 80% continued in the field. The graduates earned an average of \$37K during their graduation year, increasing to an average of \$98K within five years.

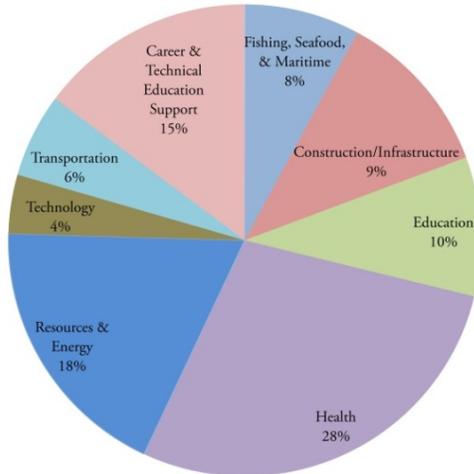




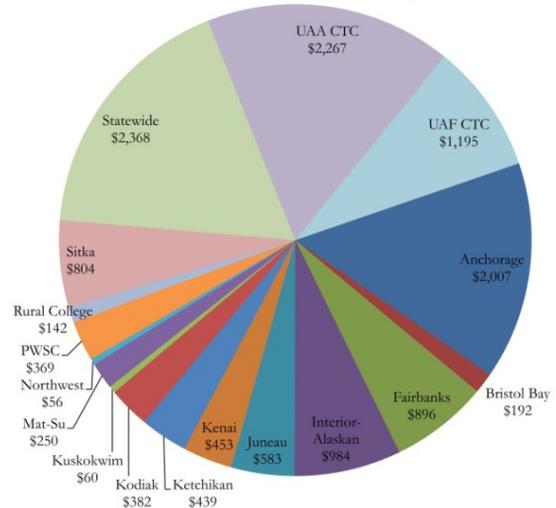


University of Alaska Technical Vocational Education Program

**TVEP Supports High Priority Industries
FY13 - FY15**



**TVEP Supports UA's Campuses Statewide
FY13 - FY15 (in \$1,000)**



UA TVEP Funds Support Regional Workforce Priorities

Southeast Workforce Priorities:

In Southeast Alaska, TVEP funds have supported industry-identified workforce priorities especially in **marine** transportation and **fisheries** technology. These programs are implemented in alignment with both public and private sector partners, including Vigor Alaska/Ketchikan Shipyard and Icicle Seafoods. The University of Alaska Southeast also works closely with local and regional economic development entities, such as the Southeast Conference and the Juneau Economic Development Council.

Southcentral Workforce Priorities:

As the University of Alaska's **Health** Campus, UAA has focused a significant portion of their TVEP funds to expand or develop new health programs in nursing, ultrasound technology, paramedic training, physical therapy, dental and occupational safety and health. Many of these health programs are distance delivered and/or offered at rural campuses on a rotating schedule, making this high-demand training available to students across the state.

Interior Workforce Priorities:

TVEP funding supports the **oil and gas** industries by expanding program delivery and hands-on equipment needs for process technology programs in the Kenai Peninsula, Anchorage and Fairbanks. The funding also goes to the Fairbanks Pipeline Training Center, which is an integral part of the overall success in supporting this workforce priority in Alaska's interior.

Statewide Workforce Priorities:

TVEP funding supports the delivery of **Mine** Safety and Health Administration regulatory training across the state and the startup of the University of Alaska Southeast Mine Training Center, which includes a state-of-the-art mine training simulator. TVEP also supports statewide initiatives focused on creating clear education pathways from K-12 to career, many with an emphasis on rural and native student success.

Source: Data Supplied by Universities via UA Information Systems: UA Decision Support Database (DSD) FY13-FY15 in conjunction with UA Office Of Workforce Development, December 2015.