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To: Alaska State Legislature
From: Fred Villa, AVP in Academic Affairs for Workforce Programs
Date: January 9, 2017
Re: TVEP Reauthorization 2017

On behalf of the University of Alaska system, I would like to share information regarding the UA Technical Vocational Education Program (TVEP) and encourage your support for the reauthorization of this important legislation as a critical investment in the economic and workforce development for Alaska's future.

The Alaska Legislature established the TVEP fund in 2000 from a portion of the Unemployment Insurance receipts collected by the Alaska Department of Labor and Workforce Development. A portion of those funds are distributed to the University of Alaska, Alaska Vocational Technical Education Center (AVTEC) and other Regional Training Centers. Without reauthorization in the upcoming 30th Alaska Legislature, this funding will sunset in fiscal year 2017.

UA TVEP Investment Accomplishments

- Tripled the number of nurses produced in Alaska.
- Doubled the number of engineers graduating from the University of Alaska.
- Supported creating the Delta Advancement Center.
- Helped thousands of secondary students receive dual credit through Tech Prep programs.
- Trained hundreds of students working in oil, gas, and mining occupations.
- Created workforce development plans for the Health, Education, and Maritime industries.
- Expanded opportunities for students to attain occupational endorsements, certifications, and degree programs leading to employment in high demand-high wage careers.
- Opened opportunities for recognizing apprenticeship and competency-based training for credit towards a degree.

UA is a comprehensive and productive provider of workforce training in Alaska that has been a major recipient of TVEP funding to expand workforce development training since the program's inception. UA manages its TVEP funds as a single allocation within the UA system to initiate or enhance workforce development programs and graduates find employment upon successful completion from both credit and non-credit programs. UA's TVEP costs per student enrolled is close to \$1000 and among recipients, is one of the most efficient in utilizing the funding allocation.

Many UA programs, initially funded by TVEP, have transitioned to general funds or campus funding sources. A significant amount of funding for workforce development programs comes from base general funds, internal reallocation, initiative and seed funding. TVEP has also served as the funding source when program funding increases have been requested and the legislative appropriations were insufficient to meet the program need. For the state to reach the goal of 65 percent of Alaskans with postsecondary education and training to meet our workforce needs by 2025, TVEP will continue to be an important way for UA to develop the workforce of tomorrow, today.

Fred Villa
AVP for Workforce Programs
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Program Overview

The Technical Vocational Education Program (TVEP), at the University of Alaska, provides grants to high-demand career and technical education entities for industry-specific, on-the-job and classroom training.

UA invests its TVEP funds to initiate or enhance high-priority workforce development programs. The funding must meet the following criteria:

- High-demand and or regional workforce needs
- Improved persistence of educational progress
- Increased access and flexibility of training delivery
- Promote collaborative partnerships

TVEP is used for one-time capital funding, high-demand program expansion and startup of new initiatives.

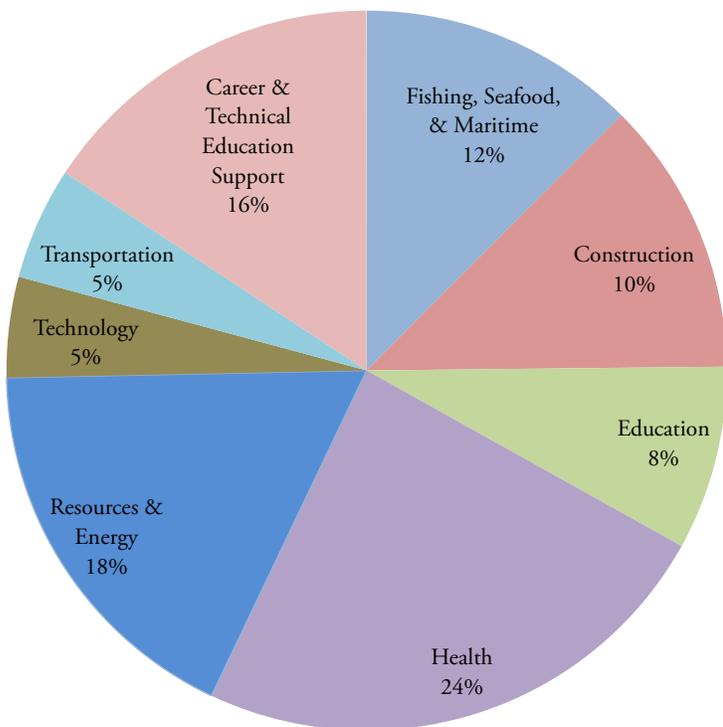
Industry advisory committees guide the university programs to ensure they meet current employer requirements and assist graduates of both credit and non-credit programs to gain employment upon successful completion.

UA TVEP funding supports these priority career clusters:

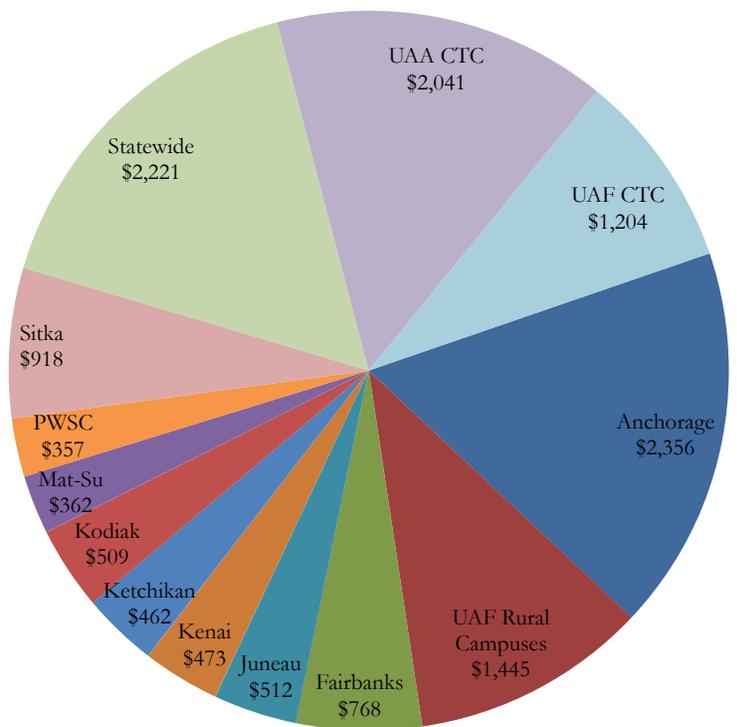
- Agriculture, Food & Natural Resources
(Includes Fisheries, Energy, Environmental Science & Green Jobs)
- Architecture & Construction
- Education & Training
- Health Sciences
- Human Services
- Manufacturing (Includes Mining & Process Technology)
- Science, Technology, Engineering & Mathematics
(Includes Research)
- Transportation, Distribution & Logistics (Includes Maritime)

Programs throughout the UA System and across the state receive support annually from UA TVEP funds, impacting thousands of students.

TVEP Supports High Priority Industries
FY14 - FY16



TVEP Supports UA's Campuses Statewide
FY14 - FY16 (in \$1,000)





FY16 Program Highlights

UAA College of Health is designated as the university's leader in health programs. In FY16 TVEP helped UAA carry out this mission by funding 11 health programs across various campuses to respond to this fastest growing sector and meet industry needs. Examples are:

- The **Physical Therapy Assistant (PTA)** program allows 12 PTAs to enter Alaska's workforce each year and is continuing to expand. The program received full accreditation through 2020.
- The **Ultrasound Technology** program is designed to prepare graduates for entry-level employment as diagnostic medical sonographers. Its first graduates were produced in August 2014 and currently has 25 students admitted into the program. All graduates have been offered employment upon program completion with some prior to completing their last semester of coursework.
- Kenai Peninsula College has utilized TVEP funds to upgrade equipment for their **Emergency Medical Technician** and **Paramedic** programs to maintain industry standards. Over 100 students have graduated since the program inception in 2006 and are hired by both local and remote fire departments, ambulance and flight services.

What's New



Math Emporium
An innovative and adaptive learning model that takes math out of the traditional classroom and into a high-tech learning environment to strengthen math learning skills.

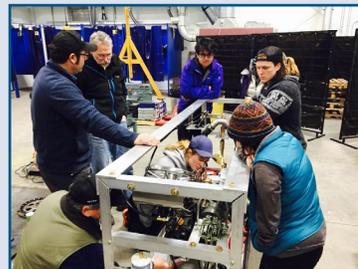


Occupational Safety & Health (OSH)
In response to a state-wide industry advisory board, the OSH program is being expanded to a bachelor's degree.

TVEP Supports UAA Campuses



Community & Technical College
Nondestructive Testing



Kodiak College
Maritime Trades



School of Allied Health
Physical Therapist Assistant



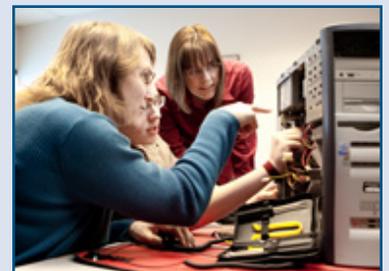
Kenai Peninsula College
Paramedic



Kachemak Bay Campus
Maritime Workforce Development



Prince William Sound College
Millwright



Mat-Su College
Computer Systems Technology

FY16 Program Highlights

- The Bristol Bay Campus utilized TVEP funding to develop their **Construction Trades Technology (CTT)** program. Since its inception in 2013, they have served 932 students in CTT courses and produced 35 occupational endorsements in basic carpentry, one certificate in CTT and three occupational endorsements in facility maintenance.
- The **Wildland Fire Science (WFS)** program at the Interior Alaska Campus started the first university wildland fire crew in the state and second in the nation. This pilot project was a partnership between the State of Alaska Division of Forestry and UAF. Students enrolled in the WFS program selected to crew status earned an average of \$18,500 over three months of deployment.
- TVEP funded the Alaska **Seafood Processing Leadership Institute (ASPLI)**, an intensive professional development program that produces leaders in Alaska’s seafood industry and is delivered at the UAF Kodiak Seafood and Marine Science Center. The cohort included 23 students working for 11 processing companies from 14 locations around the state.

What’s New



Mining Mill Operations Occupational Endorsement
 This new program is a first of its kind in the nation and will provide qualified technical mill operators to support Alaska’s large scale mines. Graduates are expected to maintain a high level of safety and increase mine efficiencies.

Mining Mill Operations Commencement
 The inaugural class graduated on July 29, 2016. Representatives from four major mining companies, with Alaska operations, were on-site to interview the graduates.



TVEP Supports UAF Campuses



Bristol Bay Campus
 Construction Trades Technology



Kuskokwim Campus
 Allied Health



Cooperative Extension Service
 Mining and Petroleum Training Service



Northwest Campus
 Culture Camp for Educators



Interior Alaska Campus
 Wildland Fire Science



School of Fisheries & Ocean Sciences
 AK Seafood Processing Leadership Institute



Community & Technical College
 Process Technology



School of Education
 Future Educators of Alaska

FY16 Program Highlights

- The **Health Information Management (HIM)** program at the Sitka Campus produced 14 HIM Associate of Applied Science degrees, 13 Coding Specialist Certificates, 8 Privacy and Security Certificates, 16 Health Information Technology Occupational Endorsements and 16 students completed professional development telehealth courses.
- The U.S. Coast Guard approved **Marine Transportation** program is delivered by the Ketchikan Campus. In FY16, they 57 trained commercial vessel captains, 225 students received required entry-level training to serve in all positions of the Alaska Marine Highway and 74 Southeast Alaska Pilots, Marine Highway Captains and Mates obtained radar certifications.
- The **Tech Prep** program provides students in Southeast Alaska access to college courses at a lower cost in critical job markets that strengthen the local economy. For example, the Introduction to Mining course is successful in connecting students to summer internships, employment opportunities and scholarships to continue their education. Twenty-nine percent of high school graduates in the Tech Prep program continue with a program of study at UAS.

What's New

A Course in an iPad

In 2014 the Fisheries Technology program used innovative teaching technology to make all classes available on iPads. All lectures, reading materials, videos, frequently asked questions and even exams are loaded on the iPad, so coursework can be taken to a remote location without internet access.



Fish Tech e-Learning Students in the Field

Although coursework is completed online or through an iPad, students gain experience in the theory behind fish culture, maintenance of facilities, feeding systems, sampling procedures, and water quality monitoring during a hands-on lab.



TVEP Supports UAS Campuses

Juneau
Campus
Tech Prep



Sitka
Campus
Health
Information
Systems



Ketchikan
Campus
Maritime
Multiskilled
Worker



Ketchikan
Campus
Marine
Transportation

