

Technical and Vocational Education Program Report

State Fiscal Year 2020

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

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Introduction

The Technical Vocational Education Program (TVEP), established by legislation in 2000, distributes training funds to technical and vocational education entities across Alaska's six economic regions. TVEP funds come from a percentage of employee unemployment insurance contributions, allocated to specific institutions in accordance with Alaska Statute 23.15.835.

With the exceptions of University of Alaska, AVTEC, and Galena Interior Learning Academy, institutions must submit a grant application to the Alaska Department of Labor and Workforce Development's Division of Employment and Training Services to receive TVEP funds each fiscal year. The institutions must use these funds for technical and vocational training programs and services that align with regional workforce demands and the Alaska Workforce Investment Board's (AWIB) priority industries and state capital improvement projects.

The institutions must have a military credit policy in place for the acceptance of credit or hours toward a degree or technical program, and an articulation agreement under which high school students may earn dual credit upon completion of a vocational education course. Subsequently, TVEP grant recipients must provide program and financial reports and requests for reimbursement to the division on a quarterly basis as well as participant data, which

the department uses to report performance.

During the reauthorization of the TVEP distribution in the 2017 regular legislative session, the Alaska Legislature requested that AWIB review the program and its current performance measures and reports, then recommend improvements.

The AWIB Executive Committee has been examining TVEP and its performance measures since July 2017. To ensure TVEP funds are used efficiently and effectively, the committee submitted recommended changes to program reporting, which AWIB approved on May 11, 2018 at the board meeting and forwarded to the commissioner. Because this review process is ongoing, no changes have been made to the SFY 2020 reporting processes or to this report.

In SFY 2020, TVEP funding totaled \$12,488,500. That amount was allocated directly in the percentages and to the institutions shown below. The table includes the number of participants the TVEP funds served.

The training institution overviews that begin on page 7 are based on the SFY 2020 program activities recipients reported directly and include training programs, partners, regional economic impacts, yearly accomplishments, and information about new and future endeavors.

SFY 2020 TVEP Allocations	% of TVEP Allocation	Grant Amount	# of Adults Served	# of High School Students Served	Total # of Participants
Alaska Vocational Technical Center (AVTEC)	17%	\$2,124,000	1,184	67	1,251
Alaska Technical Center	9%	\$1,123,800	307	256	563
Amundsen Educational Center	2%	\$249,700	11	10	21
Galena Interior Learning Academy	4%	\$499,500	0	233	233
Ilisaġvik College	5%	\$624,400	821	13	834
Northwestern Alaska Career and Technical Center (NACTEC)	3%	\$374,600	31	107	138
Partners for Progress in Delta, Inc.	3%	\$374,600	604	294	898
Southwest Alaska Vocational and Education Center (SAVEC)	3%	\$374,600	182	2	184
Yuut Elitnaurviat	9%	\$1,123,800	740	74	814
University of Alaska	45%	\$5,619,300	3,574	746	4,320

Overview of Economic Regions

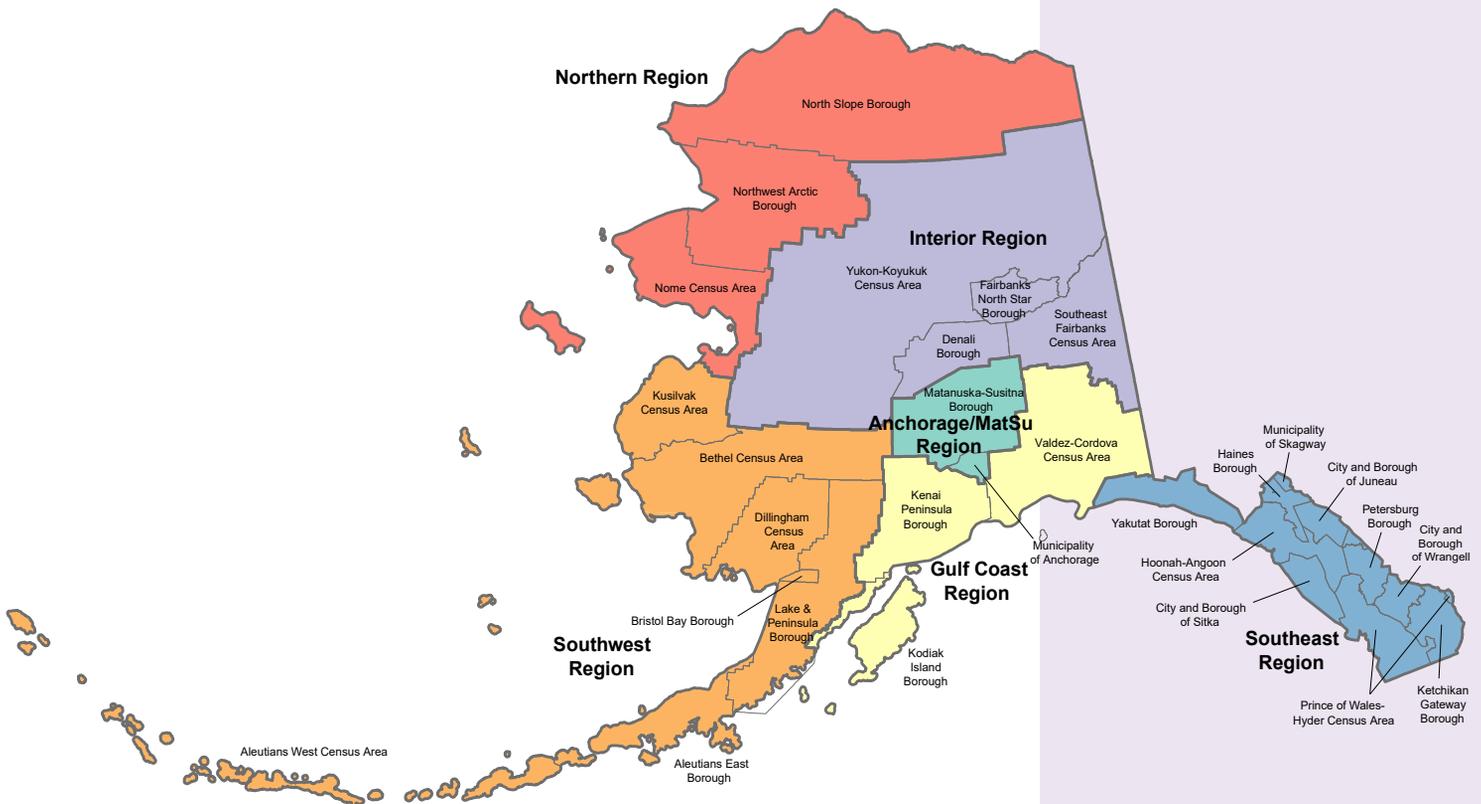
Each of Alaska's six economic regions (Northern, Interior, Southwest, Anchorage/Matanuska-Susitna, Gulf Coast, and Southeast) has one or more TVEP recipients and a university campus, postsecondary institution, or regional training center whose role is to help students and adults get the education and training they need to work in the region and the state.

This section of the report provides an overview of Alaska's economy and of each of the regions, plus the outlook for the state's overall employment and industries in both the short and long term.

Structure of Alaska's Economy

Alaska ranks 48th among states for population but is easily the largest geographically. The state's 570,641 square miles of land make up 16 percent of the U.S. total. For the U.S. as a whole, there are 92 people per square mile; in Alaska there are 1.3.

Alaska's economy is heavily dependent on oil and gas and other resource extraction industries and on the federal government, including a number of military bases and installations. Alaska also has more veterans per capita than any other state.



Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section

Two other major basic sector industries — those that inject new money into the state’s economy by providing goods or services to outside consumers — are fishing and tourism.

Alaska has especially high concentrations of employment in natural resources and mining, at more than 3.5 times the national average. It has at least slightly higher concentrations in construction, utilities, and transportation and warehousing. The state has lower-than-average employment concentrations in manufacturing, financial activities, and professional and business services compared to the U.S. overall.

The economies and job markets in the Anchorage/Mat-Su, Gulf Coast, and Southeast regions roughly mirror statewide patterns, with declines in any of the state’s major industries having either direct or ripple effects.

Fairbanks, the largest part of the Interior Region by population and job counts, also has a mix of current and projected employment that resembles the state as a whole.

Outlook for jobs and industries

Alaska had been slowly emerging from a three-year recession when the COVID-19 pandemic created unprecedented economic disruption. As the state and nation continue to manage the public health issues in late 2020, economies and job markets are gradually stabilizing and recovering some of the lost jobs, although large numbers of people remain unemployed and full recovery may take several years.

The state’s largest economic drivers — assets that bring new money into the state — are the federal government (including a significant number of military bases), oil and gas, tourism, commercial fishing, and mining. Looking beyond the short-term disruptions directly due to the pandemic, those drivers remain fundamentally sound, with the exception of oil and gas, which faces new uncertainties because of low prices — and increasing expectations that they will stay low — and the possibility of permanently reduced world demand.

Alaska is increasingly unable to rely on oil to fund nearly all of its state government services, and faces the ongoing challenge of transitioning to other funding sources.

Other states will also face significant budget deficits due to lost revenue and COVID-related costs, but Alaska’s budget deficits were especially large before the pandemic, and the state is wrestling with difficult choices that will put downward pressure on state spending for at least the next three to five years.

Gulf Coast and Southeast

Although parts of the Gulf Coast and Southeast regions are isolated and rural, as a whole they contain a mix of jobs not dramatically different from the statewide pattern.

Coastal areas have more opportunities in fishing and fishing support industries, for example, but strong health care growth is likely wherever there are stable or growing populations. Similarly, the mix of government and private sector support jobs (in stores, restaurants and bars, construction, transportation, etc.) does not differ markedly between areas with population centers of 10,000 or more.

Northern Region

The Northern Region is home to most of the state’s large oil and gas industry and includes the Red Dog Mine, one of the world’s largest zinc mines.

Because North Slope workers typically work a schedule close to two weeks on and two weeks off, they stimulate spending and employment wherever those workers live when oil and gas activity picks up and a corresponding reduction in those jobs when it falls.

There are almost no permanent population centers close to oil and gas fields. The Northern Region’s largest city is Utqiagvik, with about 4,500 people, but it is 200 miles away from the center of oil field activity and not connected by road.

Southwest Region

The Southwest Region depends heavily on fishing. The region supplies a large percentage of the nation’s total commercial fish harvest by both poundage and value. Its Bristol Bay sockeye salmon, Bering Sea crab, and pollock harvests represent some of the largest salmon, crab, and whitefish fisheries in the world.

Fishing is largely missing from wage and hour employment data because permit holders and their crew are considered self-employed. They are not subject to state unemployment insurance coverage and the mandatory reporting from which we collect the most reliable employment data. What the employment data do show, however, is a large number of seafood processing jobs and the roughly typical mix of government, health care, retail, construction, and restaurant/bar employment that result from economic base industries such as the area's fisheries.

Two census areas in the region — Bethel and Kusilvak — have some of the state's and nation's highest unemployment rates among county equivalents. Jobs in these areas are primarily connected to local government and to the support jobs that exist wherever populations cluster, including health care and retail jobs and a certain number of construction and transportation jobs. Unlike the southern parts of the region, the area does not profit substantially from commercial fish harvests.

Interior Region

The Interior Region has a mix of resource industries — large coal and gold mines, for example — and is also home to Denali National Park, which generates a large number of seasonal jobs and a handful of year-round jobs.

Fairbanks, with a borough population of nearly 100,000, depends heavily on the military and the University of Alaska Fairbanks. Fort Wainwright, an Army post, and Eielson Air Force Base are home to 8,200 active duty military and an additional 9,500 dependents. As noted above, military investment in the Fairbanks area is one of the bright spots for the state's economy.

Due to declining enrollment, announced budget cuts, and the likelihood that more cuts will follow, the University of Alaska Fairbanks will likely be a declining contributor to the Fairbanks economy in the next few years.

The military and the university create significant demand for goods and services in the community and state. At the industry and occupational levels, existing demand is similar to the statewide pattern: 1) especially high demand for health care workers, and 2) demand across the rest of the industry and occupational spectrum that's roughly similar to population trends.

Performance Measures Summary

The Department of Labor and Workforce Development's Research and Analysis Section matched information provided by TVEP recipients about the participants who exited a program during the prior state fiscal year 2019 (July 1, 2018 through June 30, 2019) to unemployment insurance wage records to determine employment outcomes.

The performance outcomes are based on the measures in AS 23.15.835(e). This report includes outcomes for these two measures:

1. Percentage of former participants who have a job one year after leaving the training program
2. Median wage* of former participants employed seven to 12 months after leaving the program

For additional context, we have included median wage and the percent employed at any time in the year after exiting training.

Institution	% Employed 1 Yr After Exit	% Employed 1-12 Mths After Exit	Median Wage 7-12 Mths After Exit*	Median Wage 1-12 Mths After Exit**
Alaska Vocational Technical Center	53.3%	72.4%	15,868	31,737
Alaska Technical Center, Kotzebue	66.4%	74.3%	14,750	29,500
Amundsen Educational Center	86.7%	93.3%	12,993	25,987
Galena Interior Learning Academy	47.3%	68.0%	5,510	11,020
Ilisagvik College	68.9%	84.9%	24,737	49,473
Northwestern Alaska Career and Technical Center	34.8%	55.9%	4,560	9,120
Partners for Progress in Delta	63.8%	72.4%	40,251	80,502
Southwest Alaska Vocational and Education Center	69.7%	82.2%	15,019	30,039
Yuut Elitnaurviat	45.8%	68.4%	4,157	8,313
University of Alaska	63.5%	77.6%	14,911	29,823

*This is the median wage earned over the six-month period after exiting training.

**This is the median wage earned at any point in the year after exiting training.

Notes: The methodology for selecting students has changed from those with an exit date during SFY 2019 to those with an enrollment date during SFY 2020. Employment and earnings outcomes are measured using the Alaska wage record information employers provide each quarter for wage and salary workers. Because these records exclude workers who are self-employed, federal, military, or employed out of state, these figures should be viewed as conservative measures of participant outcomes.

Alaska Vocational Technical Center (AVTEC), Seward

The Alaska Vocational Technical Center (AVTEC) is located in Seward in the Gulf Coast Region. As the largest multidisciplinary postsecondary vocational training center in Alaska, AVTEC's mission is to prepare Alaskans with the occupational, technical, and employability skills needed across Alaska's six economic regions.

AVTEC's program development and student placement are tightly connected to employer partners through advisory committees that place students into jobs and ensure AVTEC curriculum contains the skills and knowledge they expect from new hires.

Training Programs

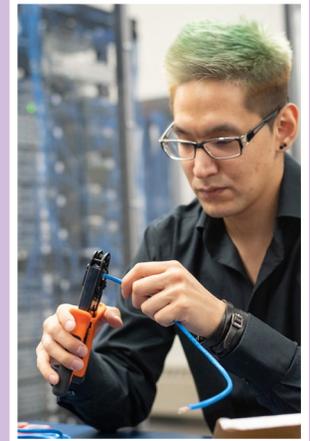
- Alaska Maritime Training Center
- Business and Office Technology
- Combination Welding
- Construction
- Culinary Arts
- Diesel Heavy Equipment Technology
- Industrial Electricity
- Information Technology
- Plumbing and Heating
- Refrigeration
- Related Studies (Technical)

Articulation Agreements

- University of Alaska Fairbanks Community and Technical College
- A new Memorandum of Agreement this year with the University of Alaska Southeast Ketchikan for maritime licenses that articulate into the Associate of Applied Science in Marine Transportation

SFY 20 Partners

- Alaska Department of Education and Early Development
- Alaska Energy Authority
- Alaska Process Industry Careers Consortium



Success Story: Anthony Beans, Mountain Village

Anthony chose AVTEC because he had heard about the opportunities that follow training. He was certified in the Information Technology program and is now a network support technician. Anthony plans to pursue a career in IT and continue to hone his skills until he has met his personal goals.

- Alaska Marine Highway System
- Alaska Operators Union Local 302
- Alaska Pacific University
- Alaska Sealife Center
- Alaska Travel Industry Association
- Boilermakers Local 502
- Bristol Bay Native Corporation
- Calista Corporation
- Catalyst Marine
- Chenega Corporation
- City of Seward
- ConocoPhillips/Polar Tankers
- Construction Machinery Industrial, LLC
- Cook Inlet Tribal Council
- Coeur Alaska
- Crowley Maritime Corporation
- Edison Chouest Offshore
- EXCEL Alaska
- First National Bank
- Foss Maritime
- GCI Hecla Greens Creek Mining
- Holland America Princess

- IBEW 1547
- JAG Alaska
- Kenai Peninsula Economic Development District
- Kinross Gold Corporation
- Marathon Petroleum
- National Center for Construction Education and Research
- National Electrical Contractors Association
- Northwestern Alaska Career and Technical Center
- Plumbers and Pipefitters Local 367
- Piledrivers and Divers Union Local 2520
- Port of Anchorage/Anchorage Municipality
- Southeast Pilots Association
- Seward Chamber of Commerce
- Southwest Pilots Association
- U.S. Department of Labor, Office of Apprenticeship
- United States Coast Guard
- University of Alaska, UAS Maritime Training Center and UAF Community and Technical College

Regional Impacts

- TVEP funds have enabled AVTEC to develop and deliver eLearning technology, which we reevaluated during the pandemic to provide the most effective online delivery. Where appropriate, we have moved programs to a blend of online and face-to-face learning. This will give more Alaskans access and provide a more intense experience in the face-to-face labs.
- AVTEC is a key economic driver and employer in the region. TVEP funds support the school, and the school spends more than \$800,000 regionally each year and pays \$6.5 million in wages. Our 130 staff members and 1,100-plus students also spend locally.
- AVTEC continues to provide the eastern Kenai Peninsula with Adult Basic Education services, GED prep and testing services, English as a Second Language, and test proctoring.
- AVTEC offers Universal Enrollment Services and gives the public the opportunity to secure a Transportation Worker Identification Credential (TWIC) card and Transportation Security Administration (TSA) pre-check credential.
- We lease our sports complex to the City of Seward for community recreation.
- AVTEC's main dormitory and student service center is the area's emergency evacuation center. During the pandemic, it was set up as a makeshift hospital to prepare for a surge in COVID-19 cases.
- AVTEC rents our family apartments to nonprofit and public sector organizations to house temporary employees, research associates, and interns.

Capital Improvements

Planned capital improvements are moving slowly. This hasn't yet affected our training, but it has required us to take extra measures to ensure the safety and comfort of our staff and students.

For example, a leaking water line discovered in February 2019 required us to shut down heat in the Willard E. Dunham Residence Hall or pour water into the boilers each week to provide heat to the dorms, which diverted maintenance staff from other duties. We completed the repairs in July 2020, using funds allocated by the Office of Management and Budget.

After we relocated the pipe welding shop in 2016, we discovered a poorly designed ventilation system that degraded air quality in the welding room during training. The state's Office of Management and Budget provided \$350,000 in SFY 20 to fix the problem, but we haven't yet found a contractor in Seward. Big documents are in place and we continue to seek a qualified bidder. In the meantime, this requires regular venting of the air outside, which cools the room.

Two capital projects planned for summer 2020 remain on the to-do list due to lack of funding:

- The first one, for the cafeteria, was originally funded at \$650,000 but now requires \$900,000 because we discovered additional deficiencies during the construction planning process.
- The second project has been ongoing for years. The First Lake Fire Safety project was originally funded at \$750,000 but now needs \$1.2 million, as determined through an assessment. We determined the best solution

was to install a sprinkler system throughout the facility rather than replace all of the doors and windows without identifiable fire rating labels and extending the sheetrock walls along the corridors to the deck pan above to achieve the required fire rating.

Center. This funding will allow the center to enhance its training and outreach to potential students, especially young Alaskans, through virtual reality in simulated training exercises.

SFY 20 Accomplishments

- AVTEC's completion rate for SFY 20 was 95 percent.
- AVTEC's employment rate for the class of 2019 is 93 percent.
- We are especially proud of giving students the opportunity to complete training and connect with employers during the pandemic. In the spring, when AVTEC had to cease in-person trainings, we were able to complete all but two trainings online. Among students in the two programs that couldn't continue online, 93 percent found a job related to their area of study within a few months based on the skills they had already attained in person at AVTEC.
- We built a relationship with the Denali Commission and received a \$100,000 grant to expand distance delivery, outreach, and training from the Alaska Maritime Training

- AVTEC was a major partner in a new educational consortium with the University of Alaska. The Alaska Maritime Education Consortium will collaborate to deliver U.S. Coast Guard training in vessel operations and deck and engine, and to give Alaskans access to this training regardless of their location.

Looking Ahead

- To increase access for adult learners, we will expand our short-term trainings (between 150 and 600 hours, delivered between eight and 15 weeks) to meet the needs of unemployed and underemployed Alaskans. We will deliver this training via blended distance learning in collaboration with our training partners.
- We will expand outreach and partnerships with the University of Alaska for noncredit to credit-based career pathway development. We already have models in maritime training, information technology, and office assistant; possible additional areas are diesel technology and welding.

Alaska Technical Center, Kotzebue

The Alaska Technical Center (ATC) is an adult vocational school supported by the Northwest Arctic Borough School District to meet the Northern Region's vocational and technical training needs. 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.

ATC celebrated its 39th graduating class in May 2020.

Training Programs

Core Training

- Construction Trades Technology
- Culinary Arts
- Health Care Occupations
- Process Technology

Condensed/Intensive Courses

- Certified Nurse's Aide
- Millwright Maintenance

Short-Term Trainings

- Advanced Core Driller
- Boiler Maintenance and Troubleshooting
- Commercial Driver's License
- Hazardous Waste Operations and Emergency Response (HAZWOPER)
- Lift Station Operations
- Mining Safety and Health Administration (MSHA)
- New Core Driller
- Northwest Arctic Borough School District counselor's crisis response training
- Occupational Safety and Health Administration (OSHA)
- Qualified Environments Sampler
- Toyostove Maintenance and Troubleshooting
- Water Electrical Controls
- Water Plant/Water Distribution

Articulation Agreements

- Maniilaq Association Workforce Development

- NANA Regional Corporation
- University of Alaska Fairbanks Chukchi Campus

SFY 20 Partners

- Alaska Native Tribal Health Consortium
- Aqqaluk Trust
- City of Kotzebue
- Drake Construction Inc.
- Environmental Management Incorporated
- Kikiktagruk Inupiat Corporation
- Kotzebue Electric Association
- Maniilaq Association
- NANA Lynden Logistics, LLC
- NANA Management Services
- NANA Regional Corporation
- NANA Shareholder Resource Coordinators
- NANA Tuuq Drilling, LLC
- NANA Worley Parsons
- Native Village of Buckland
- Native Village of Kiana: Kiana Traditional Council
- Native Village of Kotzebue
- Native Village of Noatak
- Native Village of Selawik
- Northern Industrial Training, LLC
- Northwest Arctic Borough
- Northwest Inupiat Housing Authority
- Teck Alaska: Red Dog
- Trilogy Metals
- University of Alaska Fairbanks Chukchi Campus
- Wells Fargo Bank

Regional Impacts

- Partnerships with businesses statewide, such as Northern Industrial Training, allow Commercial Driver's License participants to stay in the Northwest Arctic area for the majority of the training, making it more cost-effective and affordable for residents.
- Partnering with Tuuq Drilling allowed more than 84 participants to receive all of their necessary training at ATC this year. This increases the quality of life for Northwest Alaskans and benefits local economies through the wages drillers make at the Red

Dog and Bomite mines (more than \$1.6 million during the 2019 drilling season).

- Partnering with Northwest Inupiat Housing Authority for Boiler Maintenance and Troubleshooting training provides local expertise for our communities. More than 15 people participated in this year's training and have been in demand in all of the region's 11 communities. Because our winter lasts more than nine months, this is an essential service.
- Partnering with Maniilaq Associations Environmental Health for Water Distribution, Water Treatment, Quality Water Sampling, and Lift Station Operations training allows regional residents to train and take exams close to home.
- In addition to those already employed in Water Plant Operation in Northwest Alaska communities, training participants who are enrolled in ATC's core training programs such as Process Technology have taken Water Plant Operation jobs with the City of Kotzebue.
- Our facility is available for our partners' community and regional meetings, and partners have access to our video teleconferencing room for interviewing residents for jobs.
- Our facility normally hosts a regional career fair coordinated by NANA Regional Corporation that includes businesses from across the country, and we also typically house the STAR of the Northwest Magnet School's Alaska Native Science and Engineering Program (ANSEP). However, this year many businesses

worked remotely or used social distancing to prevent the spread of COVID-19, so we were unable to host them.

Capital Improvements

We had no capital improvements this fiscal year and have none planned due to lack of funding for family housing. Family housing continues to be a priority for us and for the Northwest Arctic Borough School District and the Northwest Arctic Leadership Team, as many students with families are unable to find affordable housing.

SFY 20 Accomplishments

Although we had scheduled and planned additional trainings, we had to postpone them due to COVID-19 and its related mandates from the state and the Northwest Arctic Borough. However, we continued our core training programs through distance delivery during the spring semester.

Looking Ahead

ATC has been hampered by the pandemic, but we have continued to adapt and deliver instruction that meets credit and certification requirements.

We look forward to increasing training opportunities as industry demands, and to providing training that communities and residents need to increase their employability and advance in their careers as well as meeting rural Alaska's workforce demands.

Amundsen Educational Center, Soldotna

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

Training Programs

- Advanced Residential Construction
- Residential Construction

Articulation Agreements

Kenai Classical

SFY 20 Partners

- Bristol Bay Native Corporation
- Covenant Youth of Alaska
- Kenaitze Tribe

Regional Impacts

- Amundsen Educational Center curriculum includes a variety of soft skills that area adults need in their everyday lives. Students learn time management, professionalism, self-care, financial literacy, meal planning and preparation, and driving education.
- We provide training for high-demand job skills in the region, such as Residential and Advanced Residential Construction.
- AEC students usually build at least one new home in the Kenai/Soldotna area each year, which increases the availability of quality housing.
- Kenai Classical, a private high school, uses our classrooms during the day, Monday through Friday, 8 a.m. to 3 p.m. AEC students use our conference room for the academic side of vocational training on Fridays from 9 a.m. to noon.

- We host Soldotna Lion's Club Meetings, the Covenant Youth of Alaska Staff and Leadership Retreat, and community education on "Essential Oils for Health."

Capital Improvements

We had no capital improvements using TVEP funds, and have no plan to use those funds for capital improvements in the coming fiscal year.

We are still working on a campus development plan, which includes expanding student housing and landscaping. Our student cabin expansion should be complete by December, and we will build new housing in the summer of 2021.

SFY 20 Accomplishments

- We completed our home project despite the pandemic, starting and finishing construction on a 2,400-square-foot three-bedroom home with a two-car garage, within the fiscal year. (See the success story for more details.)
- Building Hope Construction students and some staff members completed suicide prevention training. The Kenaitze tribe provided a week of APR Gatekeeper Suicide Awareness Training. As most of our students are Alaska Native, this training is especially relevant to their own health and that of their communities.

Looking Ahead

- Our goal is to increase enrollment this year without sacrificing quality or drifting from our mission.
- We have partnered with Covenant Youth of Alaska (CYAK), the same organization that ran the original AEC pilot program in Fairbanks, to deliver Automotive and Autobody training at CYAK's Aarigaa House in Anchorage. A couple of students are working in this pilot program now. The Aarigaa House serves Alaska Native and rural Alaska young



Success Story: This year's home construction project

Building Lives. Building Homes. Building Hope.

Despite the challenges we faced in fiscal year 2020, we finished the Building Hope Construction project within the fiscal year and under budget.

We started with a parcel of land, and right before we began clearing, we were contacted by a retired couple who were looking for a home for themselves and their son, for whom they are caretakers. Our construction instructor, Jacob Barkman, designed a house to their specifications and we signed a contract to begin the build.

Despite not getting started until mid-September, we were dried in before the snow arrived. Jacob proved to be an able instructor of both construction skills and life lessons, and his project management skills and experience as a contractor kept the operation running smoothly.

The home has 1,680 square feet of living space and a 720-square-foot garage with radiant heat throughout both. We celebrated the successful build with a home dedication in May that included staff, alumni, board members, and friends of AEC.

adults and is within walking distance of the UAA Anchorage Campus. The next step will be to have our curriculum approved by the Alaska Commission on Postsecondary Education.

- Through a partnership with AVSTEM, we plan to offer aviation classes in Soldotna in

fall 2021. We plan to develop a program for the Federal Aviation Administration's Drone License, which is an emerging high-demand job area that can change the logistics of getting goods and people in and out of rural Alaska. Meeting an important TVEP goal, our aviation classes will be available for up to 40 dual-credit high school students.

- We are working with CYAK and the Knik Tribe on a plan to build an Aarigaa House in the Matanuska-Susitna Borough, focusing on residential construction and residential remodeling. Because Mat-Su is the only part of Alaska currently growing, it makes sense to have a cohort of students there.
- We are working with contractors on what we call our "AEC Mobile" Program. Not every student can come to Soldotna for training for a year or more. The AEC Mobile program will work with graduates who are contractors and other qualified local contractors to deliver curriculum and complete building projects in other parts of the state. Currently, we have students and an instructor to pilot the AEC Mobile Program in Unalakleet.
- We are discussing developing articulated tech-prep agreements with the University of Alaska so that hours earned at AEC can be used to earn UA credits in areas such as Construction Trades Technology, Aviation, and Automotive. This will give AEC students a major head start if they choose to continue their postsecondary education at UA.

Galena Interior Learning Academy, Galena

The Galena Interior Learning Academy (GILA) is an accredited ninth to 12th grade vocational boarding school in the Interior Region that also offers postsecondary adult vocational training.

GILA students come from all regions, and many are from villages with few local education options. Galena’s rural setting appeals to these students’ lifestyles and allows those from urban areas to benefit from a focus on the individual. The campus is located on a former U.S. Air Force base and offers modern residential and educational facilities.

GILA’s TVEP program is administered by the Alaska Department of Education and Early Development.

Training Programs

GILA, including Sidney Huntington High School, offers vocational certification/tech prep in the following programs:

- Applied Mechanics: Small Engines, Intro to Automotive Technology, Automotive I-III
- Aviation: Principles of Flight, Introduction to UAV (Unmanned Aerial Vehicles)(including FAA Part107 Certification [Drones]), UAV applications
- Construction Trades: Wood Working, Carpentry I and II, Electronics I, Residential Wiring, Welding I and II, Aluminum Welding and Fabrication, Construction Mathematics
- Cosmetology: Introduction to Cosmetology, Cosmetology I and II
- Driver’s Education
- Health Science: Anatomy and Physiology, Biology, Chemistry, Health, Human Behavior in Health Care, Introduction to Health Career Professions, Emergency Trauma Training, Math in the Health Care Industry, Medical Terminology, Professionalism in the Health Care Industry

- Media and Information Technology: Journalism, Broadcasting, Computer Business Applications, Advanced Computer Business Applications (Microsoft Office Specialist certification), Digital Photography, Digital Video

Articulation Agreements

University of Alaska Interior Alaska Campus

Tech Prep Articulation Agreements With UAF-IAC

	Course#	Credits
Emergency Trauma Training	EMS 152	3
Intro to Health Professions	HLTH 105	2
Professional Skills for the Workplace	HLTH 110	2
Fundamentals of Anatomy	HLTH 114	4

Note: Due to the pandemic and resulting mid-March closure of GILA/SHS, many of the year-long classes that would have had a tech prep agreement with UAF were not held during the 2019-2020 school year.

SFY 20 Partners

- Alaska HOSA
- AVTEC
- City of Galena
- Fairbanks Memorial Services
- Interior Area Health Education Center (AHEC)
- Louden Tribal Council
- SEGA
- Southeast Region EMS Council (SEREMS): for Emergency Trauma Technician (ETT) certification
- Tanana Chiefs Conference
- The Associated General Contractors of Alaska
- University of Alaska Anchorage
- University of Alaska Fairbanks

Regional Impacts

- Many of our economic and regional impacts are difficult to quantify. Galena is situated in the western part of central Alaska, isolated from other villages or cities. Fairbanks, the closest city, is about 271 air miles away. The

benefit of TVEP funding is financial; specifically, students save money by earning university credit or industry-recognized certification while at school. This financial benefit is dispersed around Alaska when students return to their hometowns and jobs or when they enter college. These savings are quantifiable and discussed in the next paragraphs.

- The cost of the Microsoft Office Specialist training at a private institution in Anchorage runs about \$885 for the Excel course, \$885 for the Word course, and another \$590 for the PowerPoint course. The cost of the individual online MOS exam is \$120 per course. So one student earning the three MOS certifications would save \$2,480.

During the 2019-2020 school year, six students obtained PowerPoint certifications. Due to school's early closure, the challenges of remote MOS exams, and site license restrictions, students were not able to take the other two MOS certification exams.

- The cost to obtain an Emergency Trauma Technician certification at a private institution in Alaska is about \$485 per student plus \$100 for American Heart Association Basic Life Support and First Aid, totaling \$585 per student. In 2019-2020, 34 students obtained these certifications at a combined savings of \$19,890 for industry-recognized certifications.
- The cost of the FAA Part 107 UAV exam is \$160. At a private facility, in-person lectures, test preps, video, and flash cards cost \$869 plus \$160 for the exam, totaling \$1,029. The nine students who received their FAA Part 107 UAV certification this school year saved a combined \$9,261 for industry-recognized certifications.
- Besides vocational training, the GILA training center is a venue for dramatic performance, weekly movies, softball games, dances, and athletic competitions.
- In time of need and when regular school is not in operation, the Bureau of Land Management uses the training center for firefighting preparation. The facility also provides overflow accommodation for BLM and similar entities during the summer.
- Tanana Chiefs Conference uses our facilities for training.

Capital Improvements

- On July 1, 2018, after years of grant applications, the local school district finally received 7.6 million in state funding to remodel the GILA headquarters building into a state-of-the-art STEM (science, technology, engineering, and math) facility. Construction began early 2019, but COVID-19 delayed completion, which has been rescheduled for Sept. 31, 2020.
- During their August meeting, the school board approved the SFY 22-27 six-year capital improvement plan. The No. 1 proposed project is an energy efficiency upgrade to the aging GILA composite instructional facility on the former Air Force base. The Department of Education and Early Development ranked this project second out of more than 70 applications during the SFY 19 and SFY 20 grant application cycles. The school district submitted an enhanced application to DEED in August.
- The school district and the City of Galena are proud of the continuous improvements to our facilities, which support the district's educational mission.

SFY 20 Accomplishments

- Under the dual credit articulation agreements with UAF, 34 students earned 124 university credits. This equates to \$29,016 in savings for the students, which offset the cost of future university study and allow GILA/SHS students to enter college with credits under their belt.
- The CTE classes offered in Galena serve the boarding school students and students enrolled at Sidney Huntington High School in Galena.
- Six students received their Microsoft Office Specialist PowerPoint certification.
- Nine students obtained the FAA Section 107 certifications for flying a commercial drone.
- Twelve students obtained their Mental Health First Aid Certification through the AHEC Behavioral Health Camp.

- Twenty-four students obtained ETT certificates and AHA Basic Life Support and AHA First Aid.
- Eight students passed their DMV permit exam. The challenge is to obtain all the required paperwork from the parents, who are scattered throughout the state and not near a DMV office.

Looking Ahead

- We plan to develop within our Media and Information Technology program a tech prep agreement for our Microsoft Office Specialist certification course, aligned to a corresponding course at UAF.
- We will offer a Health Science class called "Bio-Medical Science." Health care is one of the fastest-growing industries in Alaska.

Success Story: Corban Sommer, Galena

Corban Sommer, a student who received his FAA Section 107 certification, was approached by SEGA (Sustainable Energy for Galena Alaska, the biomass plant that provides heat to GILA) to help survey a restoration program along a trail where wood was harvested for the biomass plant.



He was to take aerial photos and videos from the drone to see how the restoration was progressing and to monitor the new growth. Unfortunately, this project was postponed due to COVID-19, but it is likely to resume at a later date.

Ilisaġvik College, Utqiagvik

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

Ilisaġvik 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.

Training Programs

- Allied Health
- Applied Construction Trades Math
- Building Maintenance Technology
- Carpentry
- Construction Trades Tech
- Drivers Education
- Electrical
- Heavy Equipment Operations/CDL
- Humanities: Allied Health
- Industrial Safety
- Psychology: Allied Health
- Welding Materials Tech
- Workforce Development Industry Courses: Maritime, Utilities, General, Business, Health, and Industrial

Articulation Agreements

- Hiland Mountain Correctional Center
- Hydaburg School District
- North Slope Borough School District

SFY 20 Partners

- Arctic Slope Native Association
- Arctic Slope Regional Corporation
- Arctic Women In Crisis
- ASRC Construction Holding Company
- Barrow Utilities and Electric Cooperative Incorporated
- City of Kaktovik
- ConocoPhillips
- Coordinated Youth Services

- Fairbanks North Star Borough School District
- Hiland Mountain Correctional Center
- ICAS Vocational Rehabilitation
- Inupiat Community of the Arctic Slope
- Iñupiat Heritage Learning Center
- Kuna Engineering
- Kuukpik Corporation
- Metlakatla Indian Corporation
- Napa
- Native Village of Barrow
- Native Village of Nuiqsut
- Nome Utilities
- North Slope Borough Fire Department
- North Slope Borough Health Department
- North Slope Borough Human Resources
- North Slope Borough Mayor's Office
- North Slope Borough Planning
- North Slope Borough Public Works
- North Slope Borough Risk Management
- North Slope Borough Sanitation
- North Slope Borough School District
- North Slope Borough Search and Rescue
- North Slope Borough Shipping and Receiving
- Olgoonik Corporation
- PetroStar
- SKW Eskimos
- Tagiugmiullu Nunamiullu Housing Authority
- Tikigak Corporation
- Top of the World Hotel
- Tuzzy Library
- Ukpeaġvik Iñupiat Corporation
- Ukpeaġvik Iñupiat Corporation, Real Estate
- Ukpeaġvik Iñupiat Corporation, Science
- Ukpeaġvik Iñupiat Corporation, Umiaq
- Ukpeaġvik Iñupiat Corporation Sand & Grave
- Yukon Koyukuk School District

Regional Impacts

- We leverage TVEP funds in almost every course offering. We share costs with partners on travel, lodging, per diem, training space, partner provided resources, training materials, contractor costs, and/or student support. Leveraged funds allow our TVEP money to go further and allow us to offer additional training opportunities.
- We teach our Industrial Safety Series (HAZWOPER, HAZWOPER Refresher, NSTC, and First Aid/CPR with AED) in every village

Success Story: Darian Danner, Anchorage

At this year's commencement, Darian Danner, 28, became the first student to earn a bachelor's degree from Iḷisaġvik College. She graduated with a degree in business, after having previously earned another bachelor's degree from the University of Alaska Anchorage.

As the first to finish Iḷisaġvik's pilot program, Danner has a unique perspective on the potential for tribal colleges to transform the higher education landscape of the state.



every year. The direct impact is the increased percentage of village service employees (water treatment, municipal services, and emergency responders) who have the necessary training, which helps us avoid limiting or shutting down village services.

- For Kaktovik Inuit Corporation, we provided 40-hour HAZWOPER training so certified workers in their community could participate in the tragic school fire cleanup.
- We host Cooperative Extension and community connection workshops.
- We offer our classroom training spaces to other agencies to support continuing education.
- We offer on-campus housing for semester-long courses and short-term trainings.
- We offer on- and off-campus internships.
- Our cafeteria is open to the public seven days a week.
- In partnership with the North Slope Borough Department of Wildlife, our students have the opportunity to work with scientists and learn about our local wildlife such as the bowhead whale, polar bear, and other arctic animals.
- We host Qargi, or community gatherings, where elders and community leaders connect and celebrate with students, staff, and faculty.

Capital Improvements

We had no capital improvement projects this fiscal year and have none planned for SFY 21.

SFY 20 Accomplishments

- In direct response to industry and partner requests, we improved our Allied Health degree, our Information Technology degree, and our Construction Trades Technology degree. We added a Tribal Health certificate program, updated and added pathways that reflect local career paths in our IT program, and finalized the Building Maintenance Technology pathway and emphasis area under the CTT degree.
- We conducted 287 individual trainings/class sessions in 14 communities, and 175 were by request.
- We trained the Fairbanks North Star School District's CTE teachers in the National Center for Construction Education and Research (NCCER) curriculum. By having certified instructors, the district is now eligible for dual credit opportunities for high school students through Iḷisaġvik College and the UA system.
- We continued to expand our degree and course offerings, which we anticipate will lead to more program participants and degree attainment:
 - ◊ The Building Maintenance degree pathway was approved and implemented into the Construction Trades degree pathway. Before COVID-19, we had a full capacity class working toward their building maintenance certification.
 - ◊ We have continued work toward a CTE Teacher Preparation degree pathway. We held advisory sessions and planning sessions and scheduled a trial course

sequence for fall 2020.

- Ilisaġvik College celebrated 25 years this year, and kicked off our Unapologetically Iñupiaq, Inclusive of All Initiative. Our mission has long been to offer quality academic, vocational and technical higher education aimed at matching workforce needs while perpetuating and strengthening Iñupiat culture, language, values, and traditions. We strive to meet our students, who are 60 percent Alaska Native, where they are. Our initiative expands the ways the college can better serve our cultural mission with predominantly non-Iñupiat staff and faculty, and a largely Alaska Native student base.

Looking Ahead

- Our emphasis for SFY 21 is to continue supporting unrestricted village driver's licensing. A driver's license is a common requirement for rural employment.
- We will continue to strengthen our vocational trades programs, evaluate and advocate for apprenticeship opportunities, expand our Heavy Equipment Operations/CDL program, expand our Industrial Safety Program, bolster our Allied Health and Emergency Responder programs, support program recruitment from workforce trainings, and bolster our IT program pathways.
- By request from our Workforce Development Roundtable meetings, Qargi community meetings, and various advisory groups, we will continue to add in-demand trainings to meet the needs of local industries.
- SFY 21 TVEP will fund a media specialist to create instructional videos and media for distance and online learning. COVID-19 has intensified the need for remote training in occupations that traditionally require hands-on training.

Northwestern Alaska Career and Technical Center, Nome

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

The training center's mission and primary usage is vocational training combined with residential life skills training. The facility is also rented out for related education and training and is a backup emergency shelter.

Training Programs

- Allied Health: Certified Nurse Assistant, Health Aide Pre-Session, Emergency Trauma Technician, Introduction to Health Care Careers, and Introduction to Behavioral Health
- Construction: NCCER Construction, Heavy Equipment, Oxy Fuel, Shielded Metal and Gas Arc Welding
- Education/Other: Wildland Firefighter, Scuba Training, and Transition Camp programs to AVTEC, Ilisagvik College, and Alaska Technical Center
- Hospitality and Tourism: Business/Marketing/Entrepreneurship, Culinary Arts, and Food Service
- Seafood Harvesting and Processing: Arctic Survival, Fisheries and Seafood Industries, and Introduction to Maritime Careers
- Transportation, Aviation: Airframe and Power-plant Mechanic, Unmanned Aerial Vehicles
- Transportation: Automotive Maintenance, Small Engine Repair, ATV/Snow machine Repair, and Driver Education

Success Story: Danielle Apassingok, Gambell

Danielle Apassingok, a 2018 graduate of John Apangalook School in Gambell, explored NACTEC Food Service, Culinary Arts, Aviation, Heavy Equipment Operator, Emergency Trauma Technician, and Driver Education training programs while in high school and then moved to Nome to work as a customer service agent for Ravn after her graduation.



Danielle took advantage of the economic downturn created by COVID-19 by completing a six-week Construction Equipment Training at Northern Industrial Training in July 2020. She looks forward to Heavy Equipment Operator work in the future.

Articulation Agreements

University of Alaska Northwest Campus

SFY 20 Partners

- Alaska Community Foundation
- Alaska Department of Education and Early Development
- Alaska Division of Vocational Rehabilitation, Department of Labor and Workforce Development
- Alaska National Insurance Company
- AVTEC
- Bering Straits Native Corporation
- Bering Strait School District
- City of Nome
- ConocoPhillips
- Ilisagvik College

- Kawerak, Inc
- Nome Public Schools
- Norton Sound Health Corporation
- Norton Sound Economic Development Corporation
- Nome Chamber of Commerce
- Nome Eskimo Community
- Nome One Stop Job Center
- Northwest Area Health Education Center
- Pollock Conservation Cooperative
- Saltchuk Partners
- Sitnasuak Native Corporation
- UAA, UAF, UAF Northwest Campus
- Wells Fargo

Regional Impacts

- NACTEC is an Alaska Department of Motor Vehicles-approved noncommercial driving school and the only such program in the Bering Straits region serving adults and youth. Since the Nome DMV office closed, NACTEC has played the vital role of administering State of Alaska instructional permits and road examinations as a third-party examiner.
- NACTEC is a proctor for the Adult Basic Education test, administering exams to high school students enrolled in CTE programs.
- In our role as a Regional Training Center, NACTEC connects Nome Public Schools and Bering Strait School Districts with Norton Sound Health Consortium and postsecondary preparation and transitioning committees to connect the region's schools and their students with college and career opportunities in Nome and the surrounding villages.

Capital Improvements

We had no capital improvement projects this fiscal year and we have none planned for the next few fiscal years.

SFY 20 Accomplishments

- We transitioned the Northwest Area Health Education Center (AHEC) to NACTEC, with service coverage of hub communities and outlying villages in Kotzebue, Nome, and Utqiagvik.

- We added Introduction to Behavioral Health with teen Mental Health First Aid training as a new certificate to the current list with ETT, Health-Aide Pre-Session, and CNA certifications.
- We delivered scuba training for the first time, using the City of Nome Pool to qualify students for their open water swim.
- We hosted U.S. Secretary of Education Betsy DeVos and U.S. Department of Education staff at NACTEC, accompanied by local partners (Bering Straits Native Corporation, Sitnasuak Native Corporation, Kawerak, Norton Sound Health Corporation, Norton Sound Economic Development Corporation, City of Nome, Bering Strait School District, Nome Public Schools, and UAF Northwest Campus) for a roundtable forum discussing rural Alaska education and workforce development training.

Looking Ahead

- Nome Deep Draft Port: The U.S. Army Corps of Engineers approved a \$618 million plan to double the length of the existing causeway, reaching 2,100 feet further into Norton Sound, adding two new 450-foot docks and one new 600-foot dock. The U.S. House of Representatives authorized \$491 million for the Port of Nome project on July 29. With Senate approval, this project would likely begin in 2024.
- Graphite Creek Mine Project: Gov. Mike Dunleavy noted in a request to President Donald Trump, to designate Graphite Creek as a high priority infrastructure project, saying that "Graphite Creek is the largest deposit of graphite in the nation, and would be a superior domestic supply of this critical mineral, which is necessary for modern batteries, renewable energy technology, and many other high-technology uses."

Current pre-feasibility study efforts will reveal the types and numbers of future jobs, which could lead to a full feasibility study and an active 2021 field season. If the feasibility study is completed in 2022 and permitting occurs in 2023, construction of the mine and access road could follow in 2024.

Partners for Progress in Delta, Delta Junction

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 for high school students and adults.

Recognized as a Regional Training Center in Alaska since 2008, 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 provide training credits or certified training to give military personnel/veterans the opportunity to get credit for prior service and learning, whenever applicable.

Training Programs

High School

- AutoCAD I and II
- Construction Trades (eighth grade)
- Construction Trades I, II
- E-learning courses as needed
- Metals I, II, III, and IV
- Small Engines

Adult Programs

- American Sign Language
- Basic Hand and Power Tools
- Beginning Auto CAD
- Business Math
- Certified Ethical Hacker
- Community Based Psychological First Aid
- CompTIA Security Plus
- Digital Aurora Photography
- Electrical Pre-Apprenticeship
- Filing and Records Management
- First Aid/CPR/AED Certification
- Food Manager Certification
- Fundamentals of Oral Communication
- Hands-on Advanced Fiber Optic Testing and Troubleshooting
- Hands-On Best Practices for Residential WiFi

- installation and Troubleshooting
- Hands-on Fiber Optic ISP/OSP Combo-Tech Splicing, Termination and Testing
- Hands-on OSP Tester, Fault Locating and Cable Troubleshooting
- Intro to Addictive Processes
- Medical Terminology
- Metal Fabrication
- OSHA/MSHA
- Personal Awareness and Growth
- Pesticide Certification Training
- Phlebotomy
- Principles of Accounting
- Private Pilot Ground School
- Welding I, II, III
- Wildlife Photography
- Writing 111 and 213

Articulation Agreements

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

SFY 20 Training Partners

- Alaska Operating Engineers and Employees Training Trust
- Alaska Works Partnership
- Delta/Greely School District
- UAF Community and Technical College
- UAF Cooperative Extension

Regional Impacts

- Partners for Progress in Delta spends nearly all of our budget in the Interior and approximately 50 percent supports Delta-area vendors and services.
- We use TVEP to pay 50 percent of the cost of operating the Delta Career Advancement Center.
- Approximately a third of the funding supports hands-on training leading to certifications in First Aid/CPR, OSHA 10, MSHA, and the North

Slope Training Card, as well as access to apprenticeships.

- Partners support tuition-offset vouchers for residents taking university classes as an incentive to take classes locally. Popular university programs include the Certified Nurse Aide Program, Applied Business, and Welding.
- PPD provides space for test proctoring and college placement testing for students, and local businesses use the facility for meetings and trainings.
- The Bureau of Land Management uses our facility for issuing subsistence permits.
- In addition to training, the training center has helped local FFA and 4-H chapters stay active with monthly meetings.
- PPD provides classroom space to the local public health nurse for community classes on opioid addiction.

Capital Improvements

We are outgrowing our facility. PPD received capital funds several years ago to plan a new facility, and we have all the necessary drawings and plans in place for a new building on the property adjacent to us. We have surveyed the 28 acres next to us and had them appraised, but have no funding to build the new facility. We may hold classes at other locations in SFY 21 due to the lack of space.

SFY 20 Accomplishments

- We revamped our mission and goals for the future this year. Our new mission statement is: "Partners for Progress in Delta, Inc., an educational consortium, provides college and career readiness, workforce development, and community education." Our slogan is: "It's about MORE than getting a job."
- We are always working with the local military base to provide necessary trainings. In September 2019, we offered the one-week Security+ class for the third time. Fourteen students attended and passed the certification test. Most students who took the class

already had jobs but needed this certification to keep their job or get promoted. Two local students obtained jobs because of this course.

- Fifteen local business members attended an industry roundtable event designed to gather information on community needs and let local businesses know that the Delta Career Advancement Center can support any and all training needs.
- PPD employees built and taught a series of social media workshops. The topics included:
 - ◇ Social Media Meet and Greet: Learn the platforms and discuss individual needs
 - ◇ Empower Your Business With Facebook
 - ◇ Product Photography
 - ◇ Energize and Strengthen your Content
- We hosted another fall and spring Career Pathways Q&A event. We invited high school students and the community to learn more about:
 - ◇ Continuing education opportunities
 - ◇ Apprenticeship opportunities
 - ◇ Dual credit/tech prep
 - ◇ Student services
 - ◇ Credit for experiential learning
 - ◇ Resumes, dressing for success, interview processes, and much more

Looking Ahead

- We'd like to become more of a feeder program for local/statewide apprenticeship programs. Our community is becoming more trades-oriented and our high school focus is more hands-on.
- We are offering more certification courses for those already in the workforce who had to go out of state for training.
- The community is focusing on noncredit workshops over college credit classes. We are working with UAF Cooperative Extension Services to provide more of these options.
- We are working with the UAF Community and Technical College to provide microcredentialing options for individuals and business owners.

Southwest Alaska Vocational and Education Center (SAVEC), King Salmon

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 provides a thorough knowledge of community, business, and industry workforce needs spanning its 31-village service area.

The center is equipped with distance learning capabilities and considered one of the most advanced classroom technology centers in the state, using Smart Board Technology, audio conferencing, video conferencing, and wireless Internet throughout the facility.

Training Programs

Safety in the Workplace:

- Confined Space Entry
- Electrical Safety OSHA
- Excavation Safety OSHA
- Fall Protection OSHA
- HAZWOPER 8-Hour Refresher, Fall
- HAZWOPER 40-Hour, Fall
- Medic First Aid: CPR/AED/First Aid
- Water Operator OSHA

Facility Maintenance:

- Intro to Plumbing
- Plastic and Copper Pipe Fittings
- Toyotomi Heater
- Toyotomi Water Heater

Business/Office Applications:

- Microsoft Office: Excel
- QuickBooks

Entrepreneurial:

- Fur Hats and Mittens
- Refrigerator Sea Water Operator

Construction:

- NCCER Level 1 Carpentry

Articulation Agreements

- Bristol Bay Borough School District
- Bristol Bay Christian Learning Center
- Lake and Peninsula School District
- Southwest Region School District

SFY 20 Partners

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

Regional Impacts

- TVEP's investment boosts regional employment. For example, our partner/employer Bristol Bay Housing Authority has a service area of 32 villages. One component of a weatherization credential is HAZWOPER, and six of their employees were able to recertify this year. This enabled BBHA to proceed with weatherization projects in the villages.
- TVEP's contribution to SAVEC not only benefits the training participant and employer — it also boosts local and regional businesses. We leverage TVEP funds with regional partner Bristol Bay Economic Development Corporation's reimbursable Community Training Grants for nearly all costs associated with hosting a training at the facility: student and instructor airfare, student and instructor room and meals, instructor fee, and tuition to UAF if warranted. This has a multiplier effect in supporting the local economy as well. Air taxis like Grant Aviation, King Flying Service,

Success Story: Billy Hester, Naknek

William “Billy” Hester of Naknek, right, is employed as a maintenance worker for Bristol Bay Borough’s Public Works department. In addition to taking Toyotomi Water Heater training (the heat source for many buildings that Billy maintains), he usually recertifies



each year in HAZWOPER 8-hour. Unfortunately, that was cancelled this year due to COVID-19.

Billy says our classes help him keep his required certifications up to date, and he loves that they are available locally. Trainings also help him learn new things as needs arise. He takes full advantage of the training that’s offered and appreciates the ability to request different types of training. The trainings not only keep his skills current, he says, but they help keep him and everyone else safe. Billy and his coworker Brett Goode, shown on the left, both say they’re thankful for these opportunities.

Coastal Air, Ravn/PenAir, and Iliamna Air are used for seat fare or charter of students from their villages to King Salmon. Car rental agencies like Eagle Eye Car Rental and Naknek Engine benefit from students renting vehicles. Restaurants and caterers like Eddie’s Fireplace Inn, D&D Restaurant, and Tamara’s Catering provide meals for students and instructors. Stores like AC Commercial, Naknek Trading, and Chinook Gift Shop benefit from participants purchasing goods to bring back to their villages. TVEP funds make all of this possible.

- Naknek Electric Association uses SAVEC to keep HAZWOPER certifications up to date each year for 10 linemen and power operators, and every other year for CPR/AED/First Aid. NEA provides electricity for Naknek, King Salmon, and South Naknek, including seafood processors and King Salmon Air Force Base.

Capital Improvements

- New computers allowed access to new QuickBooks and Microsoft Office software. We also installed desktop computer in four classrooms for instructors.
- We sought outside funding for \$1 million in roof repair/replacement but weren’t successful. Tribal partner South Naknek Village Council applied for Housing and Urban Development’s Indian Community Development Block Grant program, but the grant was not awarded. Tribal partner Levelock Village Council applied for \$1 million for SAVEC boiler replacement/retrofit through HUD’s Indian Community Development Block Grant, but that grant was also not awarded. These projects are on hold as we seek alternate funding sources.

SFY 20 Accomplishments

- At the request of regional partner Bristol Bay Area Health Corporation, we hosted Alaska Native Tribal Health Consortium’s OSHA Susan Harwood Utility Training for Water Plant Operators. Six employers sent nine employees for training in construction safety, confined space entry, excavation and trenching, fall prevention, electrical safety, ergonomics, and hazard communication. While participants found the classroom instruction informative, they benefitted most from the hands-on training, such as confined space entry equipment, that might be used in their village.
- The South Naknek Airport project started in February, first with a 1-mile ice road built from the gravel pit, then with hauling gravel to the airport. Six students who completed training at SAVEC worked on the winter project of stockpiling gravel. Two of those continued with the contractor Quality Asphalt during the summer, repairing and resurfacing the two runways. The project is near completion.
- During the 2020 salmon season, which is essential in our area, more than 10,000 workers descended on Bristol Bay. Minimizing the spread of COVID-19 was vital. Silver Bay Seafoods used SAVEC’s dorm rooms to

isolate close contacts of positive COVID-19 employees, who were evacuated and quarantined outside the region. As many as 20 employees were housed at SAVEC. We did not host any positive cases. We felt honored to do our part to minimize the spread of COVID-19, and we commend Silver Bay Seafoods for their effort.

Looking Ahead

TVEP makes it possible for us to deliver as much face-to-face training as possible. Because of COVID-19, we will augment face-to-face training this year with blended learning, which consists of online lessons combined with hands-on skill practice and performance evaluation done either virtually or with in-person observation. We will use learning platforms like NCCER to deliver training and testing online.

COVID-19 and its related job losses make it even more important for SAVEC to upskill and reskill regional residents for new or incumbent jobs.

Yuut Elitnaurviat, Bethel

Yuut Elitnaurviat in Bethel is a 501(c)(3) corporation that provides training and education for the Yukon-Kuskokwim Delta in the Southwest Region. Training programs range from adult basic education and career guidance to construction, driver education (including mining and commercial driving programs), health care, and public safety.

The Yuut 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 Building.

Training Programs

Long-Term Programs

- Aircraft Maintenance Technician Program
- Construction Laborer Certificate Program
- Residential Maintenance and Construction Certificate Program
- Rural Facility Maintenance Technician Certificate Program
- Welding Certificate programs are made up of a combination of WELD 101 and 102, plus a 200 or 300 level capstone.

Standalone Long-Term Programs

- Arc Welding and Basic Layout
- Commercial Driver License (CDL) Class A Training
- General Steel Welding and Fabrication Techniques
- Introduction to Welding and Fabrication
- Marine Aluminum Welding and Fabrication Techniques
- Nurse Aide Training
- Pipe Welding
- Structural Welding and Fabrication Techniques
- Specialty Equipment Welding and Design
- Village Police Officer (VPO)/Tribal Police Officer (TPO) Academy
- Welding Safety and Theory

Standalone Short-Term Programs

- Advanced Village Police Officer (VPO)/Tribal Police Officer (TPO) Academy
- Advanced Excel

- Advanced Word
- Boiler Troubleshooting and Burner Repair
- Commercial Driving License (CDL) Class B Training
- Defensive Driving
- Driver Education
- Intro to Excel
- Intermediate Excel
- Intro to Word
- Intermediate Word
- National Center for Construction Education and Research Instructor Certification Training Program
- Personal Care Attendant to Nurse Aide Bridge
- Personal Care Attendant Training
- QuickBooks Essentials
- State of Alaska Instructional Permit
- Toyo Installation, Troubleshooting, Repair
- Wind Turbine Technician Assistant

High School Programs

- Kuskokwim Learning Academy: Dropout recovery program with work-based learning curriculum
- Lower Kuskokwim School District Ready Programs: Modified boarding school for academically advanced village students with college ready and career pathway focus
- Summer Alaska Native Science and Engineering Program (ANSEP) Wildlife Biology Camp: 10-day residential camp
- Summer Ready Camps: Two-week program for high school credit. Students participate in one of five pathways: art, science, technology, engineering, and math (STEM), welding, fabrication and engineering, or advanced math.

Articulation Agreements

- Lower Kuskokwim School District: School-to-apprenticeship program and trades program
- University of Alaska Fairbanks Kuskokwim Campus: HLTH F107 Nurse Aide Training

SFY 20 Partners

- Alaska Department of Public Safety

- Alaska Police Standards Council
- Association of Village Council Presidents
- Association of Village Council Presidents, Regional Housing Authority
- Alaska National Guard
- Alaska Native Tribal Health Consortium
- Alaska Native Science and Engineering Program
- Bethel Community Services Foundation
- Calista Corporation
- City of Bethel
- Donlin Gold
- Lower Kuskokwim School District
- Orutsararmiut Native Council
- University of Alaska Fairbanks Kuskokwim Campus
- Yukon-Kuskokwim Health Corporation

Success Story: Alice Nanuk-Morry, Hooper Bay

Alice Nanuk-Morry was unemployed when she started the Certified Nurse Aide training in October 2019. She completed her course and passed her CNA exam in November 2019. This spring, she was hired as a CNA at the Yukon Kuskokwim Health Corporation to work in the same facility where she completed her clinical requirements: the Elder Home.



Regional Impacts

- TVEP allows Yuut Elitnaurviat and the Yukon-Kuskokwim region to combat the high cost of facility operation in a rural community.
- Our organization uses TVEP funds to keep our infrastructure operational during the year. This allows us to supplement our overhead costs and gives our partner organizations an affordable and accessible option for training in our region.
- Students in our region face numerous barriers to training success. Having a local option that is aware of the different cultural makeup of Southwest Alaska and is a short flight from home is a proven model for our people's success.
- We offer direct-to-work training with our local partner organizations, and in the case of our commercial driving program, can have a student going from unemployed to possessing a nationally recognized and desired credential in a matter of weeks.
- We administer an apprenticeship program with one of our partners, giving locals an opportunity to get paid on-the-job training as electricians and plumbers.
- We have the only Driver Education program in our region, and it has given several students the opportunity for employment, pay increases, and advancement in their jobs.

- Our building houses the Dental Health Aide Therapy program administered by the Alaska Native Tribal Health Consortium, providing needed dental care throughout the region. Our facility prepares therapists to work in rural settings where dental care is not easily accessible.

Capital Improvements

While we've had capital improvements planned since SFY 19, we were not able to secure the funding to move forward. We plan to build a second construction trades shop in SFY 21, which will provide space for our adult students to work inside during winter, while opening up the first shop to allow the Kuskokwim Learning Academy (KLA) construction and welding classes to expand.

Construction of the new 4,800 square foot shop will begin in the summer of 2021, starting with the foundation and slab and ending with the building and doors finished in the fall of 2021. We will relocate our Welding and Construction Trades labs to this shop, leaving the existing shop for KLA construction class and lab use.

The new shop will include a secure tool storage area. We are also planning to construct a storage area for dry goods, as a student project, so we can order a year's worth of consumables on the barge at a much-reduced shipping rate.

The Technical Education Support Services (TESS) build-out will include adding classroom/instructional services to the southwest end of the existing building. There will be eight new classrooms on the first floor, with an open second floor designated for future instructional space. This project will include partially renovating the second and third floor for our use, dedicating the first floor to KLA.

A new 48-student bed dormitory is in the planning stages, to be located by the Kuskokwim and Rasmusson dorms on our campus. This will be a two-story building housing girls and boys on separate floors, with a dorm parent on each floor. Space planning includes gender-specific common areas, laundry facilities, and restroom/bathing areas. The dorm will be a short walk from the back entrance of the TESS expansion.

We are considering a standalone Dental Health Aide Therapy clinic adjacent to the Health Care Annex. The current clinic needs extensive renovation to meet future standards, and a new modular design might be a more cost-effective option. This clinic will house six operatories, waiting and reception areas, a classroom area for instruction, and all other required elements for a professional dental clinic.

All these expansion projects will allow us to provide more training each year, which is restricted by our currently limited classroom and dorm space.

SFY 20 Accomplishments

- We served 814 individuals, providing 1,980 services: 93 percent to Alaska Native students, almost half of whom were female (45 percent).
- Seventy-two percent of our students were unemployed or low-income.
- Twelve students received their GED.
- Twenty-two students received certificates in construction trades programs.
- Four students passed their Certified Nurse Aide exams and are working for the Yukon Kuskokwim Health Corporation in Bethel.

Looking Ahead

- In SFY 21, we hope to launch a Rural Law Enforcement Training Academy to build on our current Public Safety Program. We are working with our current partner, Association of Village Council Presidents, on a grant to support a pilot program to expand our Village Police Officer Academy into a three-tier program modeled after the Alaska Police Academy, but with a rural focus. We hope that with an expanded program, Tribal and Village Police Officers will be better equipped to advance in their careers to become Municipal Police Officers or State Troopers.
- Yuut is working on an Memorandum of Understanding with Alaska Pacific University to launch a Licensed Practical Nurse program in SFY 21. After we formalize the agreement, we will work with the Alaska Board of Nursing for accreditation.
- We are still working on permanently housing KLA on our campus. This is on hold with the pandemic, as classes couldn't resume as scheduled this year. We are still planning to build another dorm for the KLA students, and we are building a second construction trades shop to accommodate both our adult and high school programs.
- As mentioned in the capital improvements section, we will expand our main Technical Education Support Services building to accommodate adult students and KLA. We received board approval and acquired a loan guarantor to build the second construction trades shop, but this has been on hold until we can secure the loan. Even through this pandemic, this partnership with KLA has proven fruitful, and we look forward to transitioning students from KLA's work-based learning curriculum into our adult workforce development programs.

University of Alaska

The University of Alaska (UA) is a comprehensive provider of workforce training in Alaska. TVEP will continue to be an important way for UA to develop the workforce of tomorrow, today, helping the state reach the goal of 65 percent of Alaskans with postsecondary education and training to meet our workforce needs by 2025.

For more on the University of Alaska Vocational Education Programs, visit: <http://www.alaska.edu/research/wd/>.

Articulation Agreements

Postsecondary opportunities for K-12 students are coordinated by the provost's offices at UAA, UAF, and UAS and by members of the University of



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Alaska Transition Coalition (UATC) who represent each campus and serve the following mission: To create and foster strategies for all secondary students to have local access to and opportunities for dual enrollment, including career and technical education, resulting in an engaged and highly qualified workforce.

Dual enrollment articulation agreements are at: <http://www.alaska.edu/research/wd/de.php>.

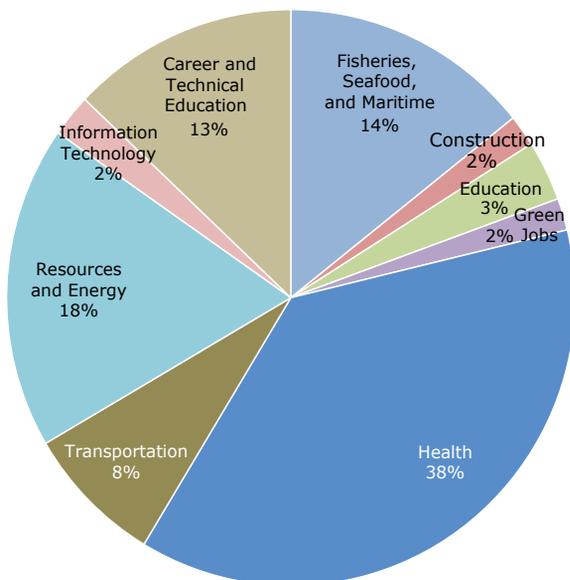
Capital Improvements

UA uses TVEP to fund single trainings that help update technology to meet industry standards and provide the most realistic work experience for students. Here are some examples:

- UAA College of Business and Public Policy used existing space to create an accounting and finance investment lab for all business students. The new space provides the tools

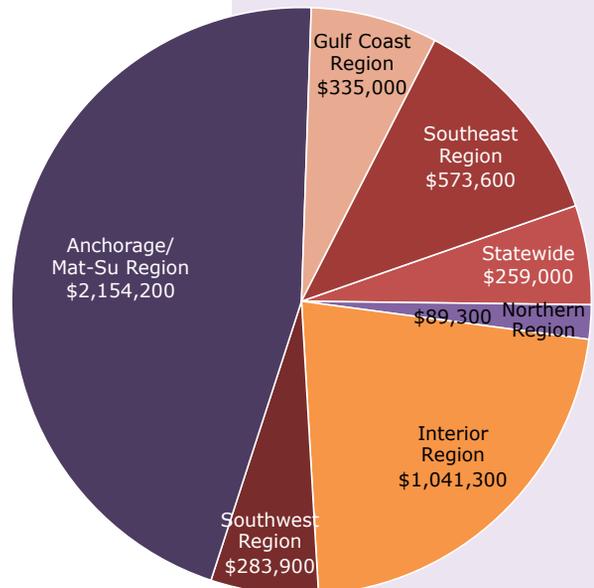
Training Programs

TVEP Supports High Priority Industries
SFY 2020



Regional Impact

TVEP Supports All Regions
SFY 2020



students need to succeed in business and financial careers and gives them the chance to work on industry certifications, such as Bloomberg Market Concepts.

- The Aviation Technology Division at UAA CTC installed avionics (communication and navigation) equipment on a multiengine training aircraft, identical to the equipment on the division's other multiengine aircraft. This ensures students' experiences will be compatible regardless of the aircraft and similar to what they'll encounter in the workplace. It also allows them to finish training in a shorter time period.
- In response to COVID-19, UAA and UAF upgraded their dental labs to meet OSHA standards on mitigating airborne pathogens.
- UAF Community and Technical College purchased an oven that allows culinary arts students to gain hands-on experience for work in cafeterias, northern cooking camps, and hospital food production facilities.
- UAS Ketchikan Campus purchased fire gear to give nearly 100 entry-level and seasoned mariners hands-on experience in basic and advanced firefighting classes, including revalidation classes. These U.S. Coast Guard credentials help them keep their jobs and advance in their careers.

The university will continue to ensure our students receive quality training that meets and exceeds employers' expectations. This requires continual improvement of labs and technology. Examples of upcoming improvements are:

- Several UAA campuses will replace equipment and upgrade lab space to maintain industry standards and increase access to hands-on experiences in aviation maintenance technology, nondestructive testing, process technology, engineering robotics, fabrication and 3D printing, welding, computer and networking technology, paramedicine, refrigeration and heating, and automotive courses.
- UAS Ketchikan Campus will modernize their maritime bridge simulator to a full mission simulator. This will enable the Maritime Training Center to provide realistic ship simulation in all weather and sea conditions in Alaska.

SFY 20 Accomplishments

UA Statewide

- We expanded access to Handshake, a national leading career management platform, for students and alumni in all three universities. This platform enhances the career development, internship opportunities, job search, and placement experiences for students and alumni while increasing access to Alaska employers. Through this expansion, the number of Alaska jobs posted grew by over 30 percent.
- UA and the Alaska Department of Labor and Workforce Development's Alaska Vocational Technical Center (AVTEC) formalized a partnership as the Alaska Maritime Education Consortium (AMEC) to provide education and training that increases the number of Alaskans working in high-demand ashore and afloat maritime occupations. AMEC has drafted a five-year action agenda, to be reviewed by the Alaska Workforce Investment Board in late 2020, to further implement the Alaska Maritime Workforce Development Plan.
- We aligned dual enrollment language, processes, and registration fees across the system to increase access for secondary students and enhance partnerships with school districts.

UA Anchorage

- Alaska has the nation's highest rate of open positions in our child welfare system. To help the state close this gap, College of Health strengthened and expanded professional training and education through practicums, internships, and mentorships within the Bachelor of Social Work program.
- While many programs moved online, some continued in-person delivery with smaller-than-usual groups, masks, and health screenings before each class. The Physical Therapy Assistant (PTA) program within the College of Health continued in-person instruction to complete the training required and help students transition quickly to jobs. Of the 47 graduates of the PTA program, 36 are licensed in Alaska.

UAA Success Story: Alex Marques

Community and Technical College Diesel Mechanic Apprenticeship, First Year

In the summer of 2019, the RWC Group partnered with UAA CTC to help develop their Diesel Mechanic Apprenticeship program. Alex's supervisor recognized his ambition and aptitude and prompted him to join the apprenticeship program.



Alex enjoys the challenge apprenticeship brings and feels this opportunity will open doors for him while building a bridge to financial independence. "I see myself becoming a master mechanic and eventually moving into supervision," he said.

- College of Engineering students worked with a professional machinist to fabricate prototypes for their class projects and research projects, receiving hands-on experience with the machining and 3D printing process. Between fall 2019 and spring 2020, more than 50 students completed their senior design project, 41 mechanical engineering sophomores used the machinist and lab space to build 3D prototypes, 50 students received hands-on training in their undergraduate research programs and intercollegiate student design competitions, and more than 600 K-12 students participated in the annual BP Summer Engineering Academy.



- The Community and Technology College Aviation Technology Division is developing a distance delivery program in partnership with the Alaska Air Carriers Association to help current employees complete an apprenticeship that results in a mechanic certification by

the Federal Aviation Administration.

- The Maritime Workforce Development program delivered 18 noncredit and credit courses at Kachemak Bay Campus to nearly 150 adult and high school students on the use of marine electronics, hydraulics, and navigational charts; engine repair; employability skills in marine welding and repairing aluminum metal; and U.S. Coast Guard Certification courses to meet the needs identified by local fishing industry partners.
- Kenai Peninsula College purchased a hospital bed to give 30 students hands-on experience to become Certified Nurse Assistants, and 28 were successfully licensed with many transitioning directly to jobs with the local hospital and long-term care facilities.
- Mat-Su College continued to upgrade their computer lab and provide staff to help 48 students gain employability skills in computer systems technology, a high-demand industry in the region. The lab is available remotely 24/7, allowing students to complete their program requirements, gain experience, and expedite their transition to employment.

UA Fairbanks

- To date, 88 percent of the students who completed the Mining and Petroleum Training Service Hard Skills Mine Training Camps are employed. Upon completion, they earn industry certifications, complete nine competencies, and have more than 240 hours of hands-on training in running heavy equipment, hanging utilities in an underground mine, jackleg drilling, and using mine tools. While COVID-19 prevented three spring courses, four proceeded and 27 students completed the training.



- We expanded military partnerships within the Community and Technical College Early Childhood Education program. Military members and their dependents can complete the nationally accredited program remotely. In 2019, thebestschools.org ranked the program

UAF Success Story: Nikola Maccabee

Mining and Petroleum Training Service Hard Skills Mine Training Camp, Graduate

Following graduation from Anchorage School District's King Tech High in 2019, Nikola attended the underground mine training camp after an industry partner recommended it as a way to get a well-paying job in a short time.



The day he graduated, Nikola was offered a job at Pogo Mine. He went to work two weeks later and is earning a good wage and performing well.

among the best online programs nationally.

- The Alaska Sea Grant Marine Advisory Program delivered the only dedicated seafood processing training program in the state to more than 100 students, who then took jobs with Alaska's largest private-sector employers and agencies, such as the Alaska Department of Environmental Conservation. They also trained another cohort of up-and-coming leaders through the Alaska Seafood Processing Leadership Institute (ASPLI). Overall, ASPLI has trained more than 90 seafood processors, and over 60 percent continue to work in the industry, with the majority being promoted into management positions.
- Over the past year, the Northwest Campus' graduates received certificates in Community Health, Administrative Assistant, Certified Nursing Assistant, Facility Maintenance, and Law Enforcement.
- The Interior Alaska Campus delivered six courses designed to meet degree requirements for Dental Assistant, Medical Assistant, Emergency Medical Technician, and Nursing. In 2020, more than 60 students received certifications or degrees, the majority from health science programs.
- The Kuskokwim Campus purchased equip-

ment and supplies to expand its skills lab to support Certified Nursing Assistant students, including high school students. This program meets a critical workforce need in western Alaska and creates a pathway into the nursing program.

UA Southeast

- Through the Workforce Development Student Access Initiative, more than 200 secondary and postsecondary students are obtaining skills in the high-demand health, construction, marine transportation, and mining sectors. Many find employment in their area of study while some continue their education. For example, the health care pathway can lead to Medical Assisting, Radiology, Health Information Management, or Nursing.
- The Ketchikan Campus Marine Transportation Program provides basic training and the advanced maritime courses required for jobs with the Alaska Marine Highway System and other maritime employers to more than 200 students each year. In 2020, they partnered with AVTEC to deliver courses that result in the U.S. Coast Guard certifications required for employment.

UAS Success Story: Deborah Rose

Ketchikan Maritime and Multi-Skilled Worker and Qualified Member Engine Department, Graduate

While working on her Qualified Member Engine Department credential, Deborah was hired by NOAA as a Relief General Vessel Assistant in April 2019 and worked on five different NOAA vessels.

She earned her QMED in October 2019 and joined the GVA as a permanent member of the engine department aboard the NOAA vessel R/V Bell M. Shimada.



- The Sitka Campus Medical Assisting program is blend of in-person and online courses that allow those who are working and supporting their families to complete the program. The program prerequisites are aligned with the UAA program, and a collaborative clinical lab site has been established at the UAA Kenai Peninsula College to expand access for students in the Kenai, Soldotna, Homer, and Nikiski areas. Industry partners include PeaceHealth and Ketchikan Indian Clinic, who have supported several employees in completing the program. The program began accepting students in 2015. Eight students graduated in 2020 for a total of 42 graduates.



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SOUTHEAST**

Looking Ahead

- UA will continue to track and support high-demand workforce needs in Alaska, and we plan to emphasize short-term training for workers displaced by COVID-19 so they can get back to work quickly.
- Because the demand for health care is growing, the UAA Mat-Su College will hire a Health Sciences Lab Manager who can coordinate the simulation labs, manage equipment, and maintain supplies between the Nursing, Paramedic, Certified Nursing Assistant, and Emergency Medical Technician programs.
- The UAF Alaska Sea Grant Marine Advisory Program will hire a seafood processing coordinator/instructor. The seafood industry accounts for 72 percent of Alaska’s manufacturing employment.

TVEP Supports UA’s Campuses Statewide

SFY 2020

