

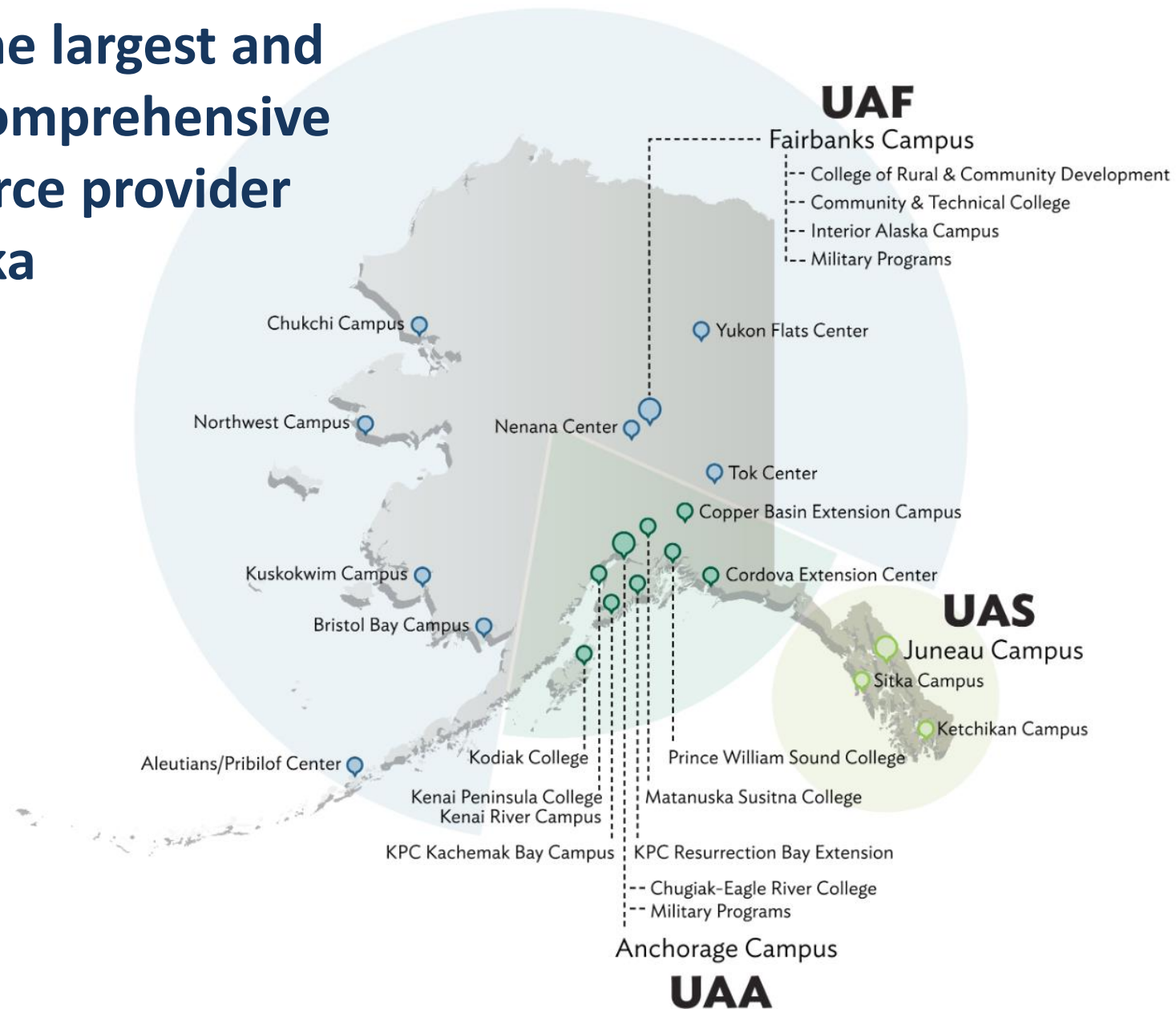


University of Alaska Technical Vocational Education Program

Teri Cothren
Associate Vice President

Senate Finance Committee
May 3, 2021

UA is the largest and most comprehensive workforce provider in Alaska

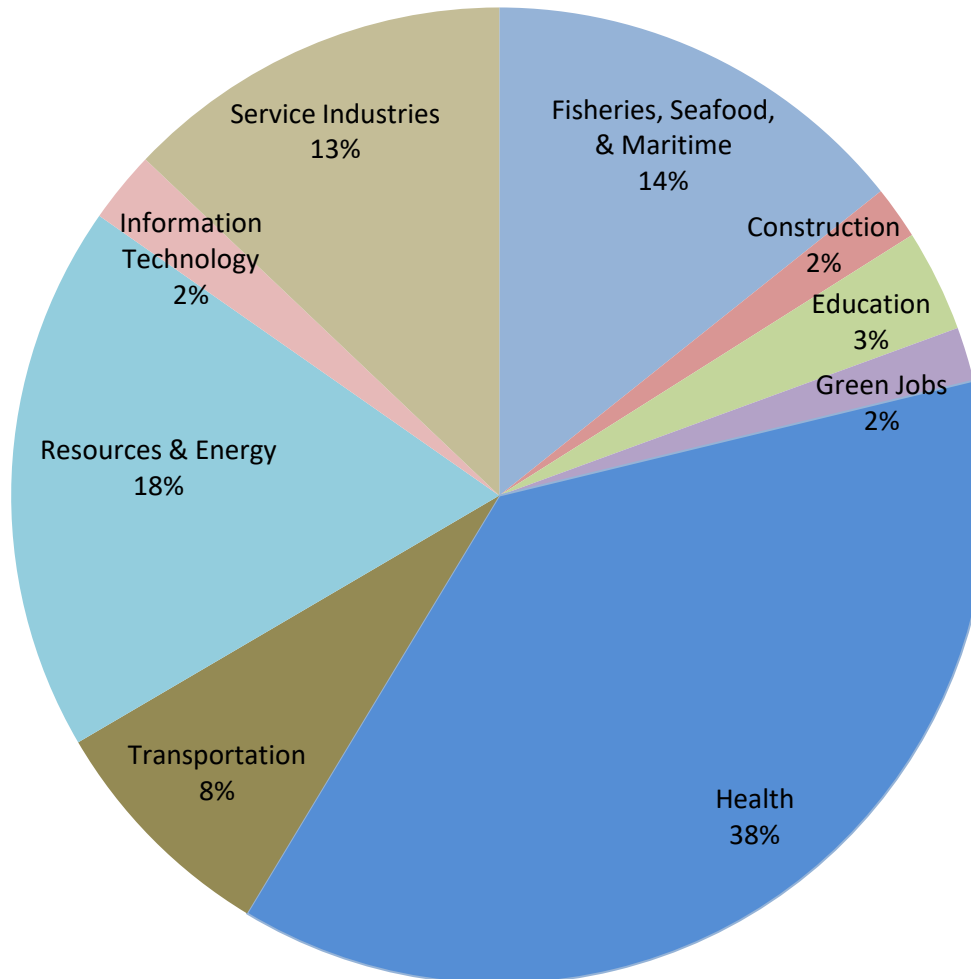


UA TVEP Process

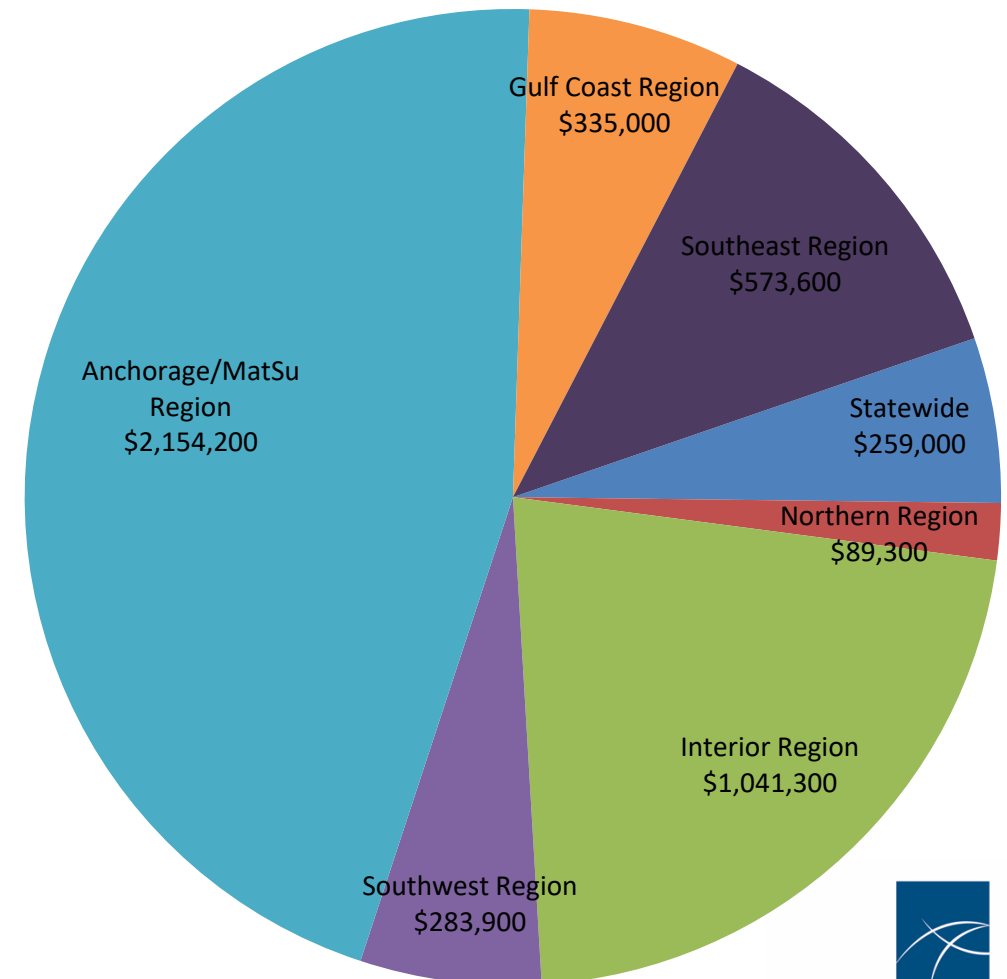
- Competitive RFP Process
- Funding Priorities:
 - Aligned with TVEP statutes
 - Responsive to industry
 - Strategic one-time infrastructure/equipment investments
 - Develops and enhances partnerships

UA FY20 TVEP \$5.6M Funding Distribution

Supports High Priority Industries



Supports All Alaska Economic Regions





Oil & Gas



Health



Aviation

UA TVEP FY20 Outcomes

- Adults served = 3,574
- High school students served = 746
- **Total students served = 4,320**
- Supports UA's ability to be responsive to Alaska's high-demand industries
 - Oil & Gas
 - Fisheries, Seafood & Maritime
 - Health
 - IT
 - Aviation
 - Construction
 - Mining

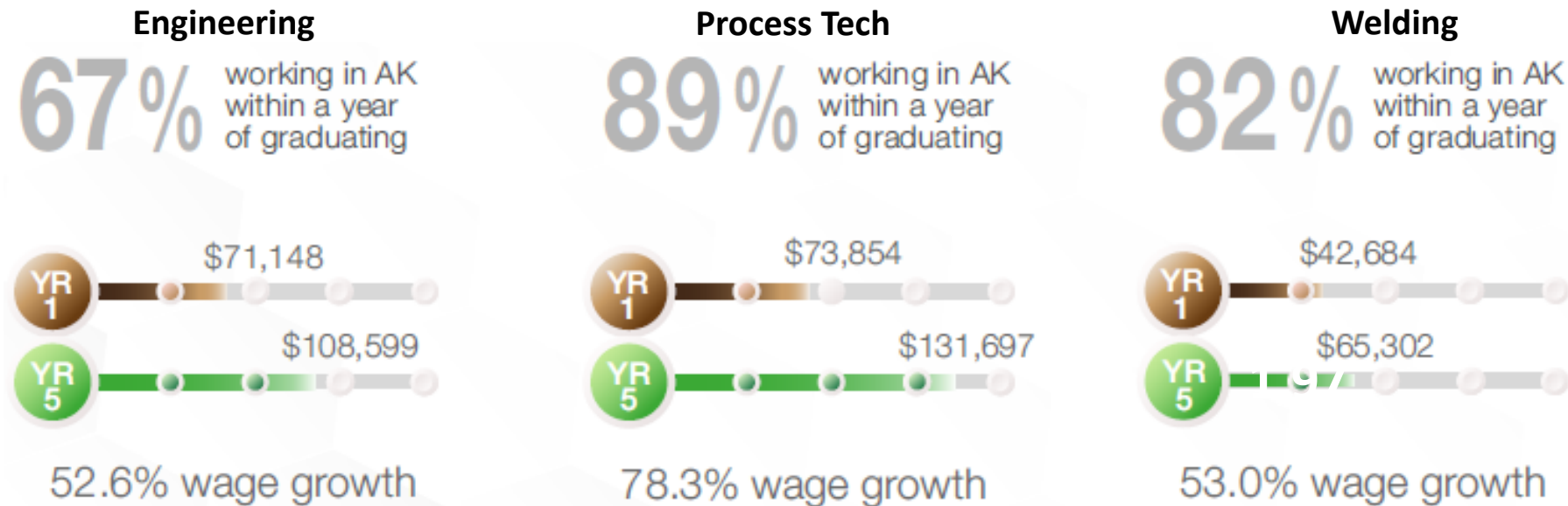


Oil & Gas

FY20 TVEP INVESTMENTS = \$787.7K

- Expanded access to fabrication, manufacturing, and 3D printing
- Leased state-of-the art shop and classroom space for process technology
- Delivered required well control safety training

GRADUATE EMPLOYMENT OUTCOMES (2009-2018)



Note: Employment and wage data not limited to graduates who work in the oil and gas industry



Health

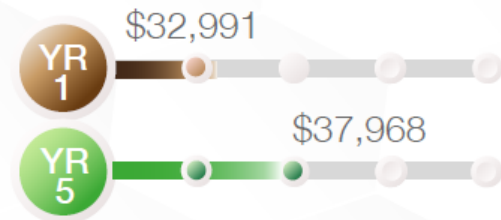
FY20 TVEP INVESTMENTS = \$1.77M

- State-of-the-art simulators and instructional technology
- High-demand health program development or expansion
- Increased hands-on experience in behavioral and clinical health programs

GRADUATE EMPLOYMENT OUTCOMES (2009-2018)

Certified Nurse Aide

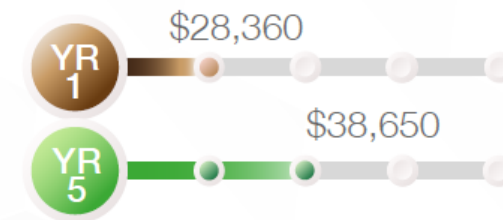
93.5% working in AK within a year of graduating



15.1% wage growth

Dental Assistant

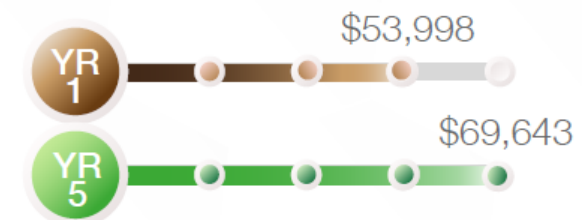
81.9% working in AK within a year of graduating



36.3% wage growth

Nursing

88.7% working in AK within a year of graduating



29.0% wage growth

Note: Data reflects the actual employment and wage data of all graduates, and is not limited to those employed in clinical health



Aviation

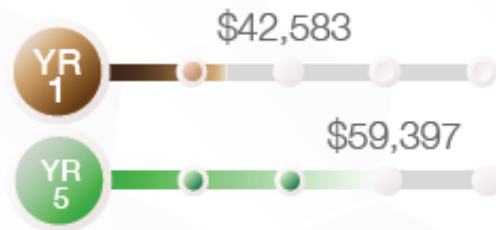
FY20 TVEP INVESTMENTS = \$256.5K

- Simulation equipment and technology upgrades
- Developed online aviation maintenance technology program

GRADUATE EMPLOYMENT OUTCOMES (2009-2018)

Aviation Maintenance

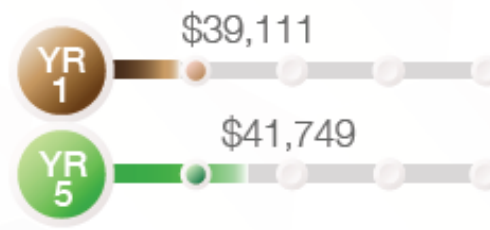
74.4% working in AK within a year of graduating



39.5% wage growth

Piloting

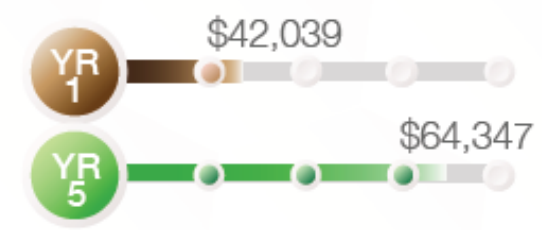
66.7% working in AK within a year of graduating



6.7% wage growth

Aviation Administration

72.1% working in AK within a year of graduating



53.1 % wage growth

Note: Data reflects the actual employment and wage data of all graduates, and is not limited to those employed in aviation



Aviation Simulation Equipment

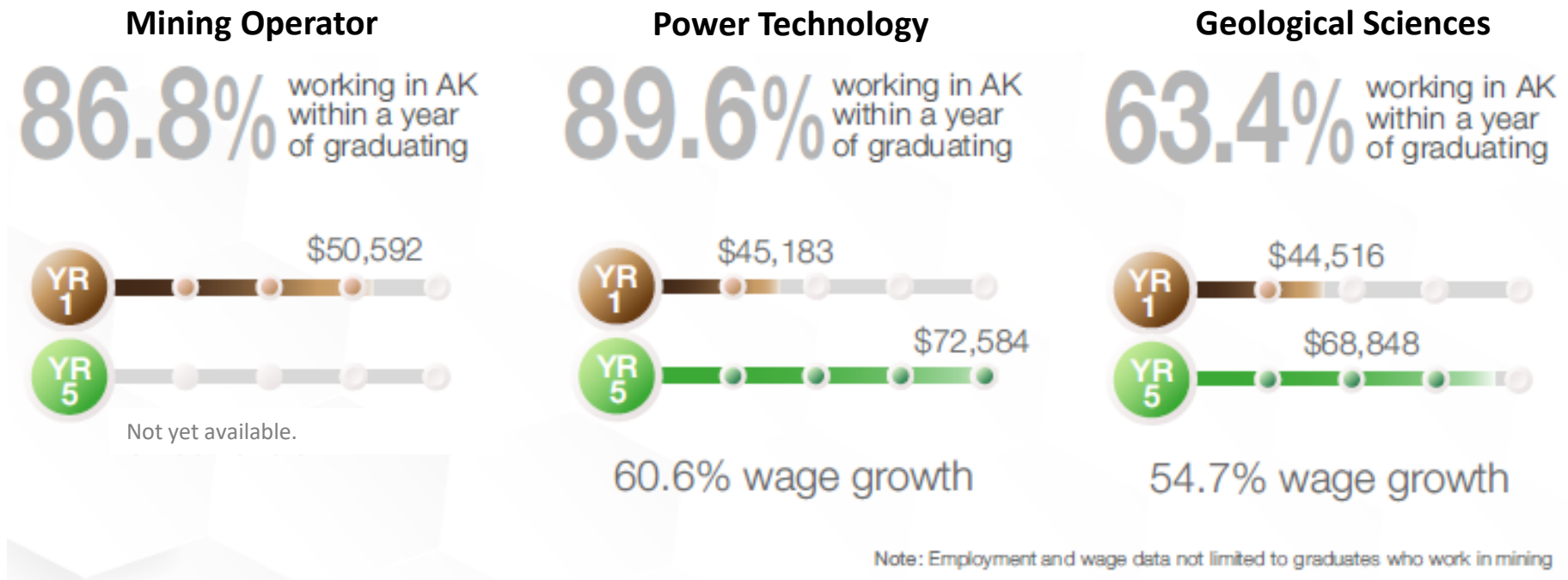


Mining

FY20 TVEP INVESTMENTS = \$368K

- Delivery of hard skills mine training camps
- Equipment and technology upgrades

GRADUATE EMPLOYMENT OUTCOMES (2009-2018)

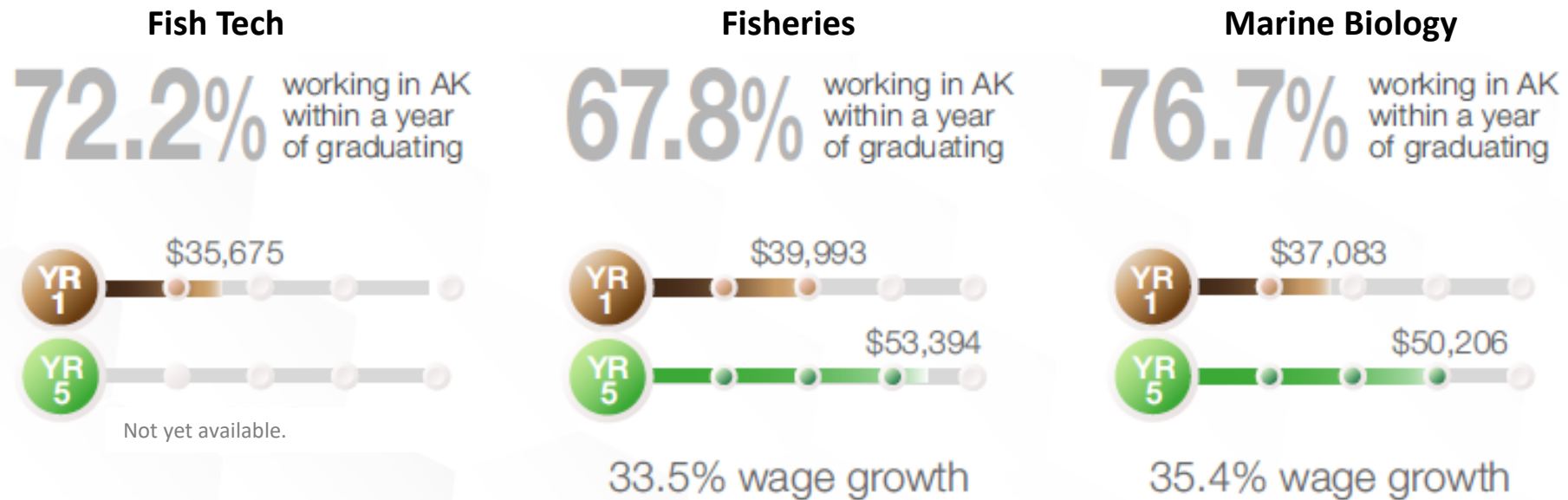


Fisheries, Seafood & Maritime

FY20 TVEP INVESTMENTS = \$676K

- Delivered seafood processing training that leads directly to employment
- Developed and expanded maritime programs in coastal communities
- State-of-the-art simulator and equipment upgrades

GRADUATE EMPLOYMENT OUTCOMES (2009-2018)



Note: Employment and wage data not limited to graduates who work in fisheries and marine science



Maritime Bridge Simulator and Student Success

UAS Ketchikan Maritime Program Student Debra Wright

“Today was awesome! I passed my RFPNW class and now I’ve got three more to go this semester. The simulator is top-notch state-of-the-art equipment. The instructor could program in any weather situation, any kind of vessel and crossing situation, so many different scenarios possible. He could even add in whales and the northern lights.”



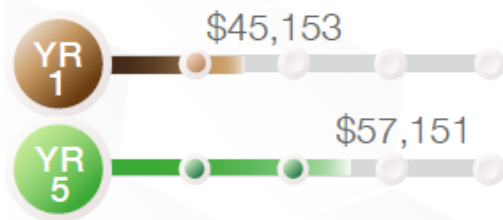
Information Technology

FY20 TVEP INVESTMENTS = \$113K

- Computer lab upgrades to provide 24/7 remote access
- Developed new curriculum to increase skills for employment
- Delivered cybersecurity and advanced networking classes

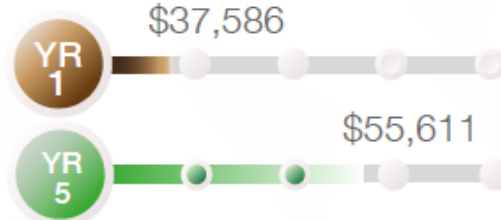
GRADUATE EMPLOYMENT OUTCOMES (2009-2018)

Information Technology
77.1% working in AK within a year of graduating



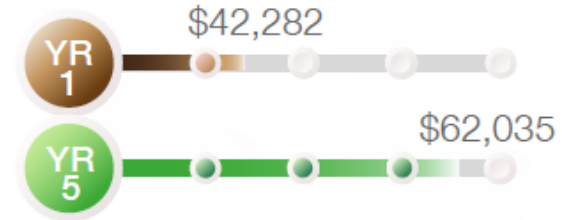
26.6% wage growth

Computer & Networking Tech
80.2% working in AK within a year of graduating



48.0% wage growth

Computer Science & Engineering
72.3% working in AK within a year of graduating



46.7% wage growth

Note: Data reflects the actual employment and wage data of all graduates working in Alaska, and is not limited to those employed in IT



IT Student Success

UAF CTC IT Specialist Program Graduate Stephanie Harvey

Stephanie is a program alum and now an IT Specialist instructor for the program. She was recently highlighted by Cisco as one of five women who want to change the world.

“My favorite part of teaching is that technology is always changing and there are always new things to learn, talk about, and teach. As most teachers would say, I love helping people and I love ‘AH HA!’ moments.”



Construction

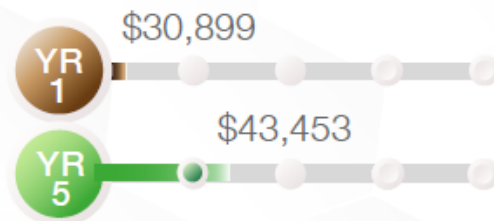
FY20 TVEP INVESTMENTS = \$460K

- Updated apprenticeship technology degree to be available online
- Equipment and technology upgrades
- Provided hands-on construction training to secondary and postsecondary students

GRADUATE EMPLOYMENT OUTCOMES (2009-2018)

Carpentry

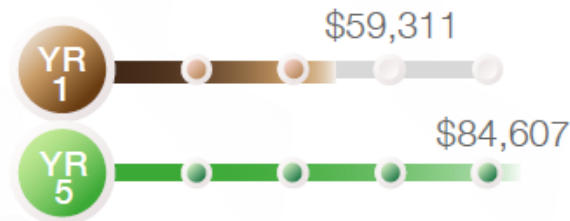
83.7% working in AK within a year of graduating



40.6% wage growth

Civil Engineering

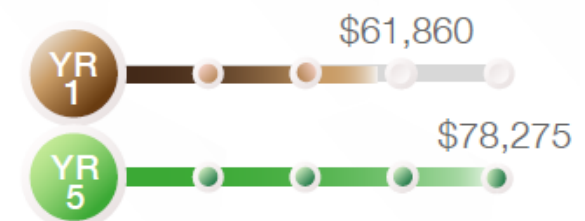
84.8% working in AK within a year of graduating



42.6% wage growth

Construction Management

86.4% working in AK within a year of graduating



26.5% wage growth

Note: Data reflects the actual employment and wage data of all graduates, and is not limited to those employed in construction



Construction Student Success

UAA Construction Management Graduate Jessica Senter

Jessica graduated with B.S. in Construction Management in 2020 and already started her job as assistant project manager at F&W Construction the semester before graduating.



Conclusion

UA strongly supports the reauthorization of TVEP (HB 100)

This allows us to address Alaska's workforce needs by:

- Creating and supporting pathways
- Delivering high-demand programs
- Providing professional development

Thank you

Teri Cothren

Associate Vice President

Workforce Development

Office of Academics, Students & Research

University of Alaska

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<http://www.alaska.edu/research/wd/>