



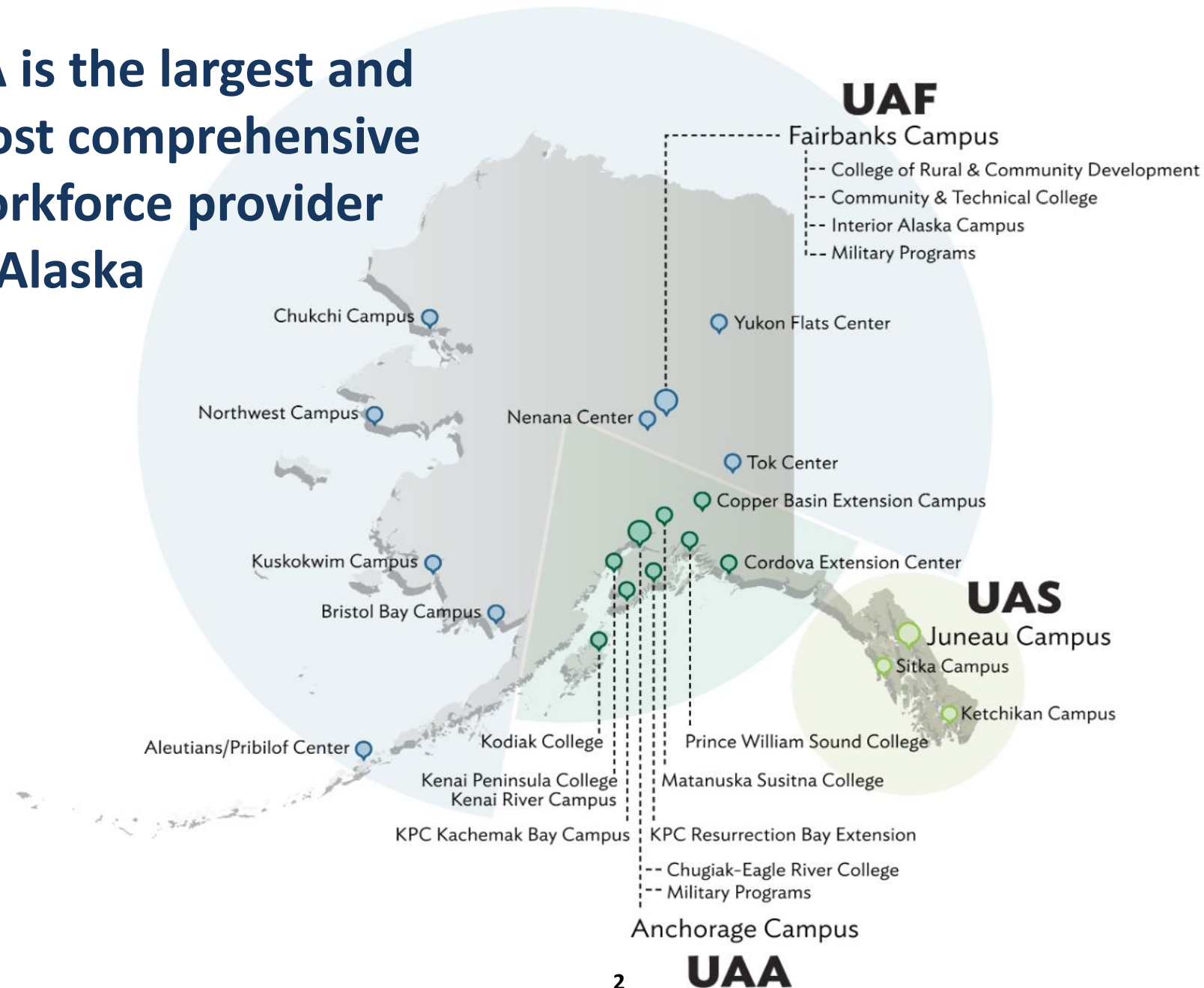
# ***University of Alaska Technical Vocational Education Program***

*Teri Cothren*  
Associate Vice President

House Labor & Commerce Committee

March 15, 2021

# UA is the largest and most comprehensive workforce provider in Alaska

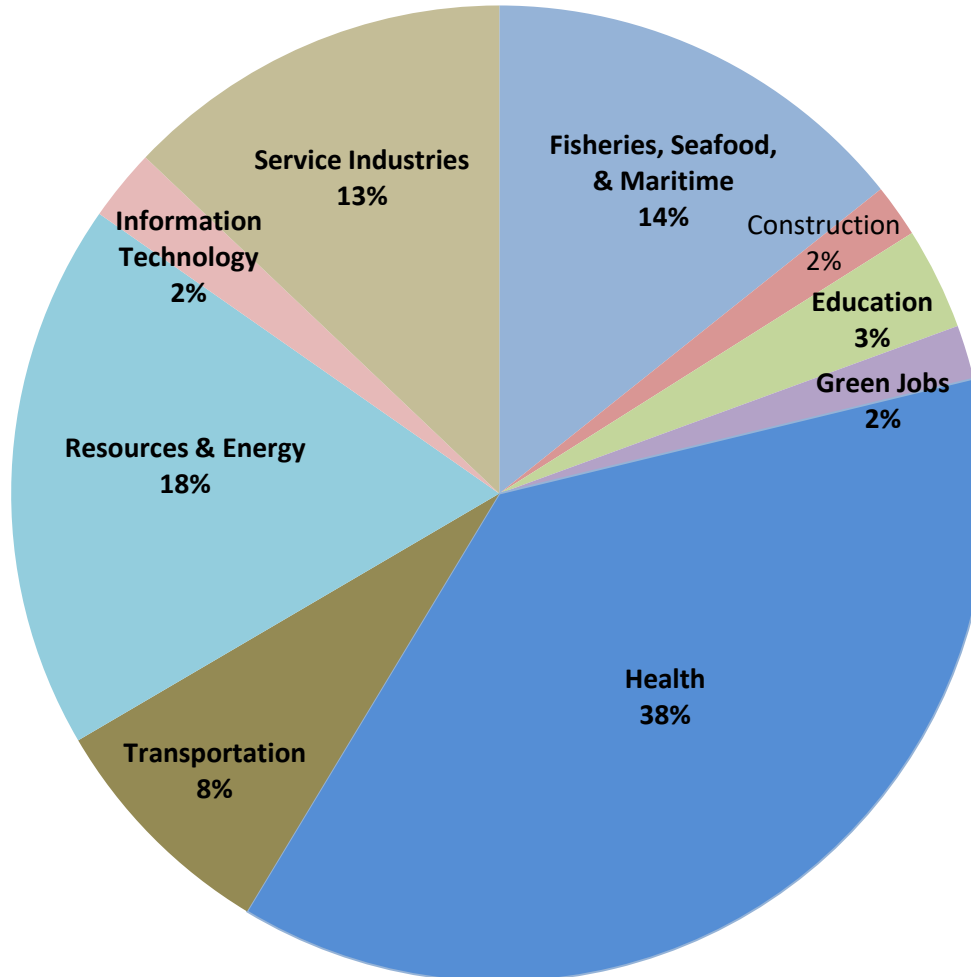


# UA TVEP Process

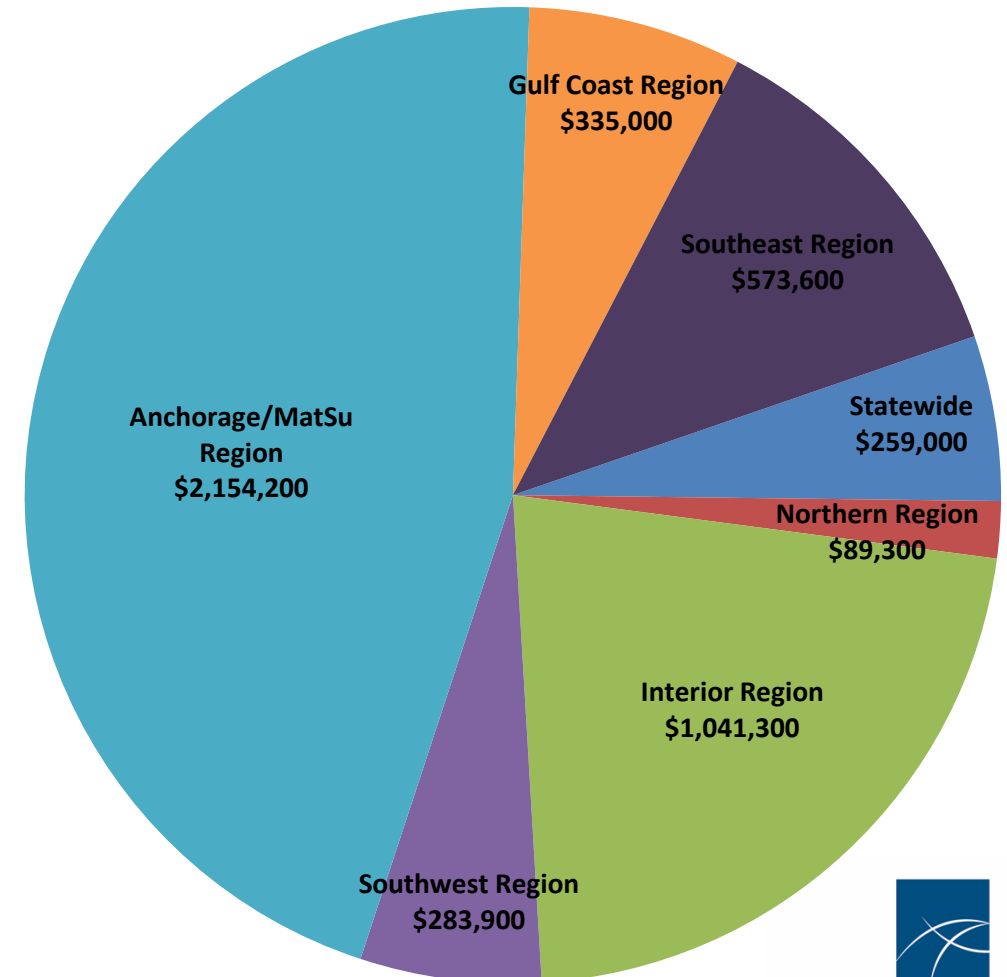
- Competitive RFP Process
- Funding Priorities:
  - Aligned with TVEP statutes
  - Responsive to industry
  - Strategic one-time infrastructure/equipment investments
  - Develops and enhances partnerships

# UA FY20 TVEP \$5.6M Funding Distribution

## Supports High Priority Industries



## Supports All Alaska Economic Regions





**Oil & Gas**



**Health**



**Aviation**

## UA TVEP FY20 Outcomes

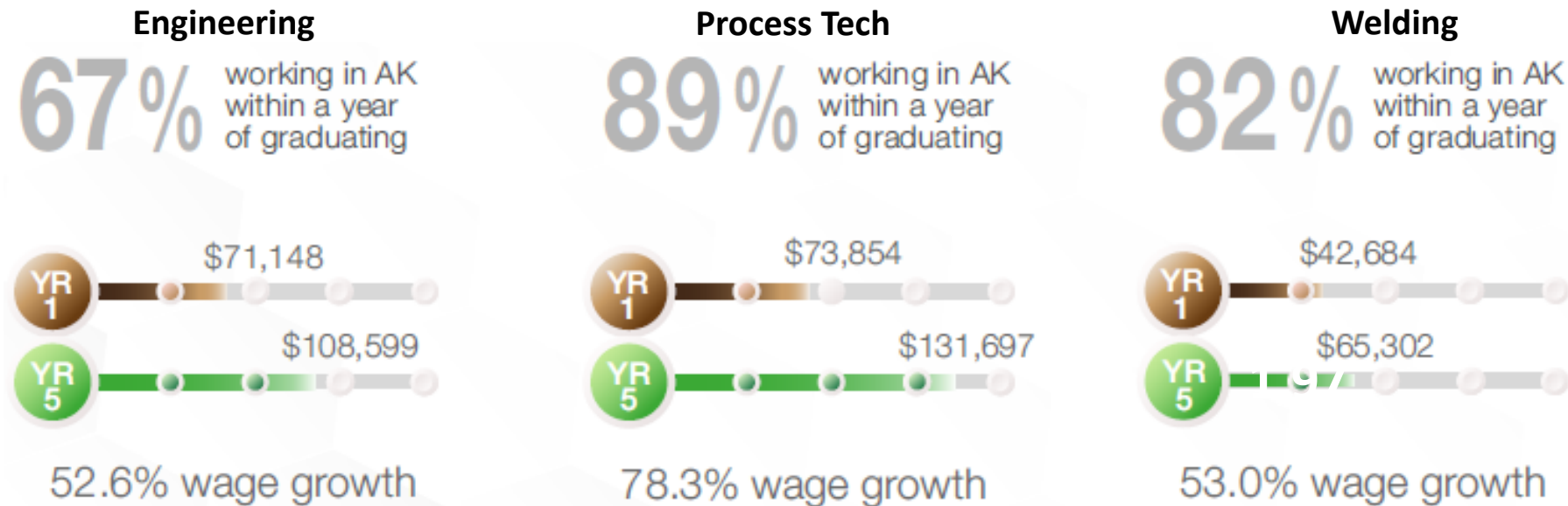
- Adults served = 3,574
- High school students served = 746
- **Total students served = 4,320**
- Supports UA's ability to be responsive to Alaska's high-demand industries
  - Oil & Gas
  - Fisheries, Seafood & Maritime
  - Health
  - IT
  - Aviation
  - Construction
  - Mining

# 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

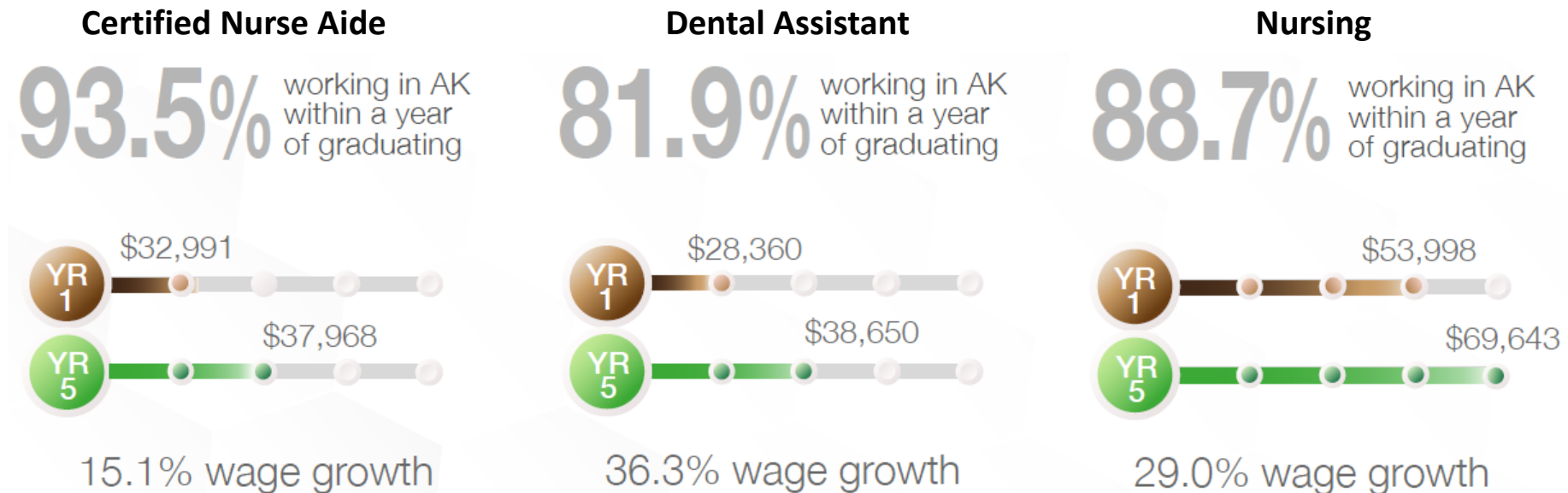


# Health

## 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)



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



# Aviation

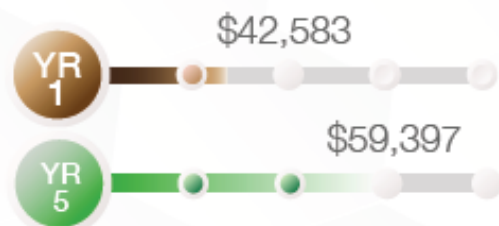
## FY20 TVEP INVESTMENTS = \$256.5K

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

## GRADUATE EMPLOYMENT OUTCOMES (2009-2018)

### Aviation Maintenance

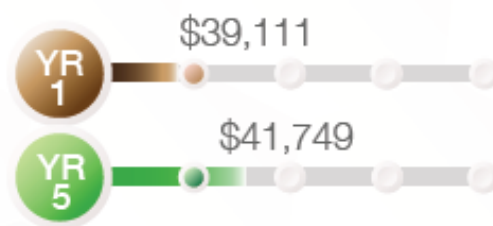
**74.4%** working in AK within a year of graduating



39.5% wage growth

### Piloting

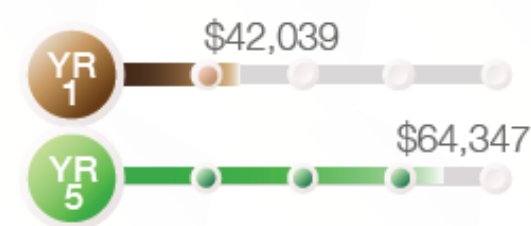
**66.7%** working in AK within a year of graduating



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

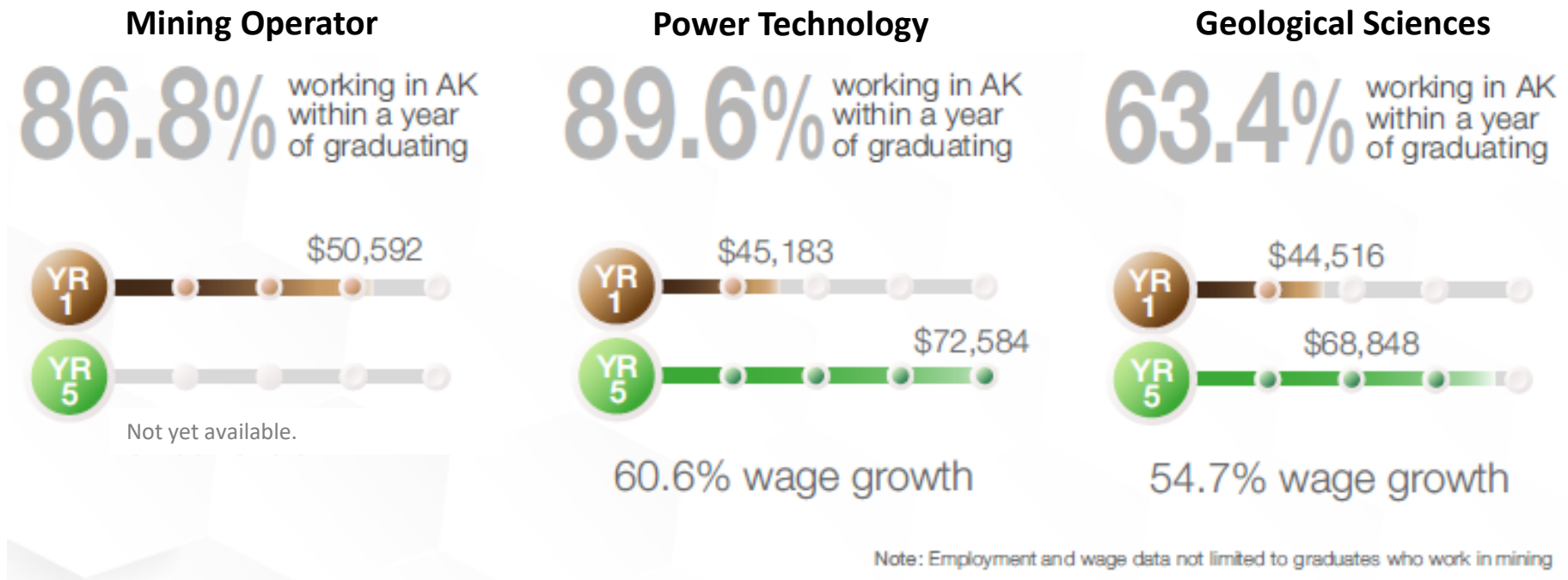


# Mining

## FY20 TVEP INVESTMENTS = \$368K

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

## GRADUATE EMPLOYMENT OUTCOMES (2009-2018)

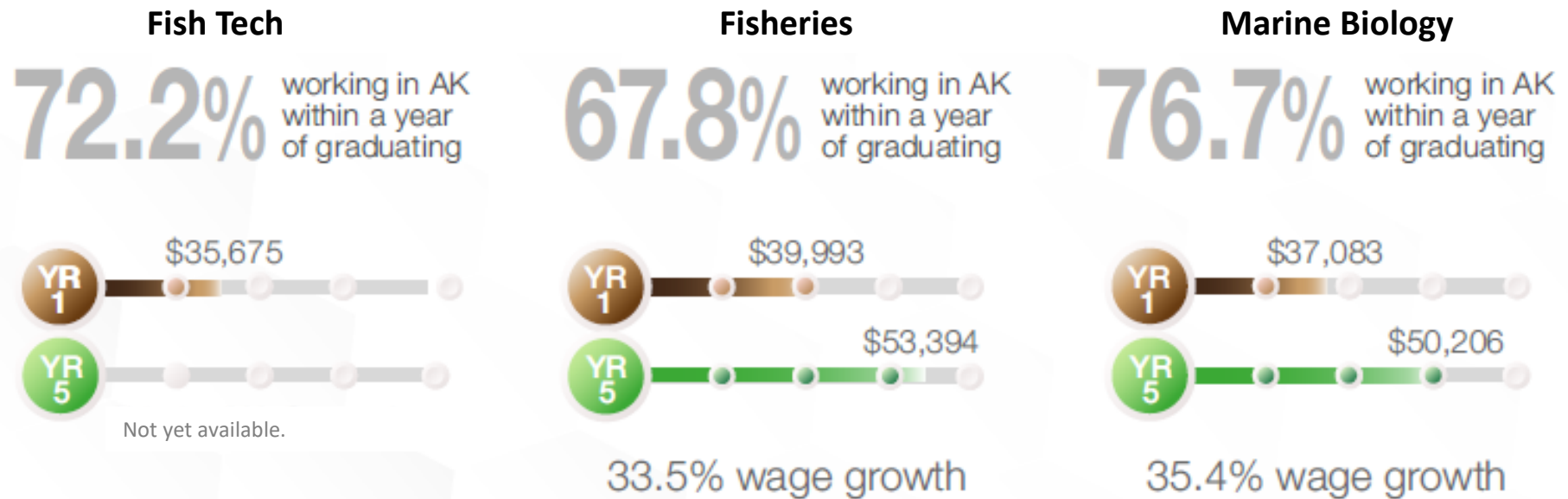


# Fisheries, Seafood & Maritime

## 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."*



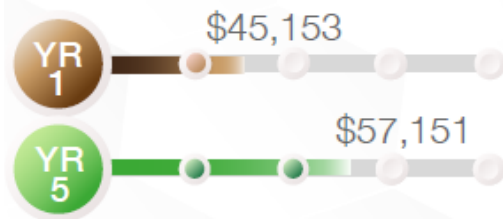
# Information Technology

## 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

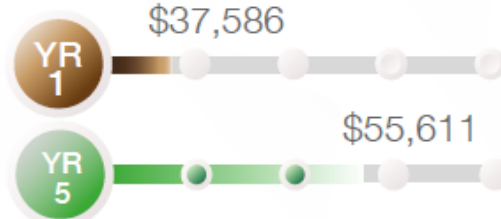
## GRADUATE EMPLOYMENT OUTCOMES (2009-2018)

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



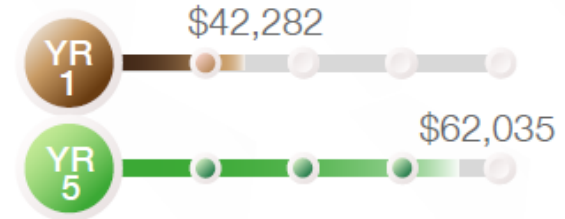
26.6% wage growth

**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.”*



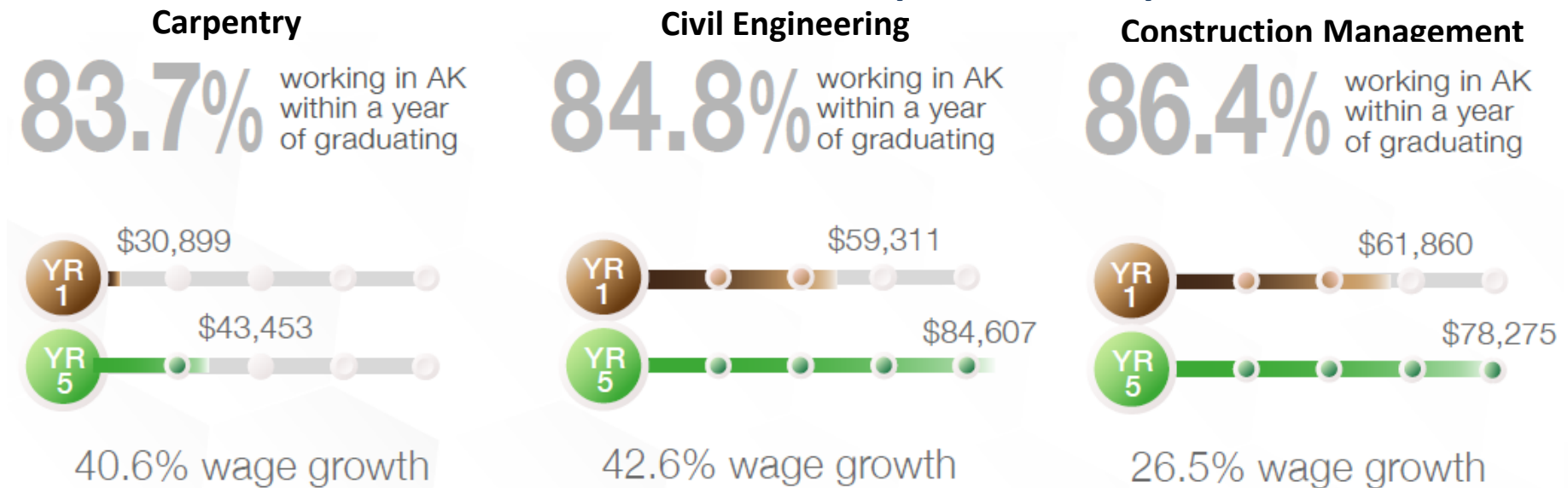


# Construction

## 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)



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 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

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*Office of Academics, Students & Research*

*University of Alaska*

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