



University of Alaska

For Alaska

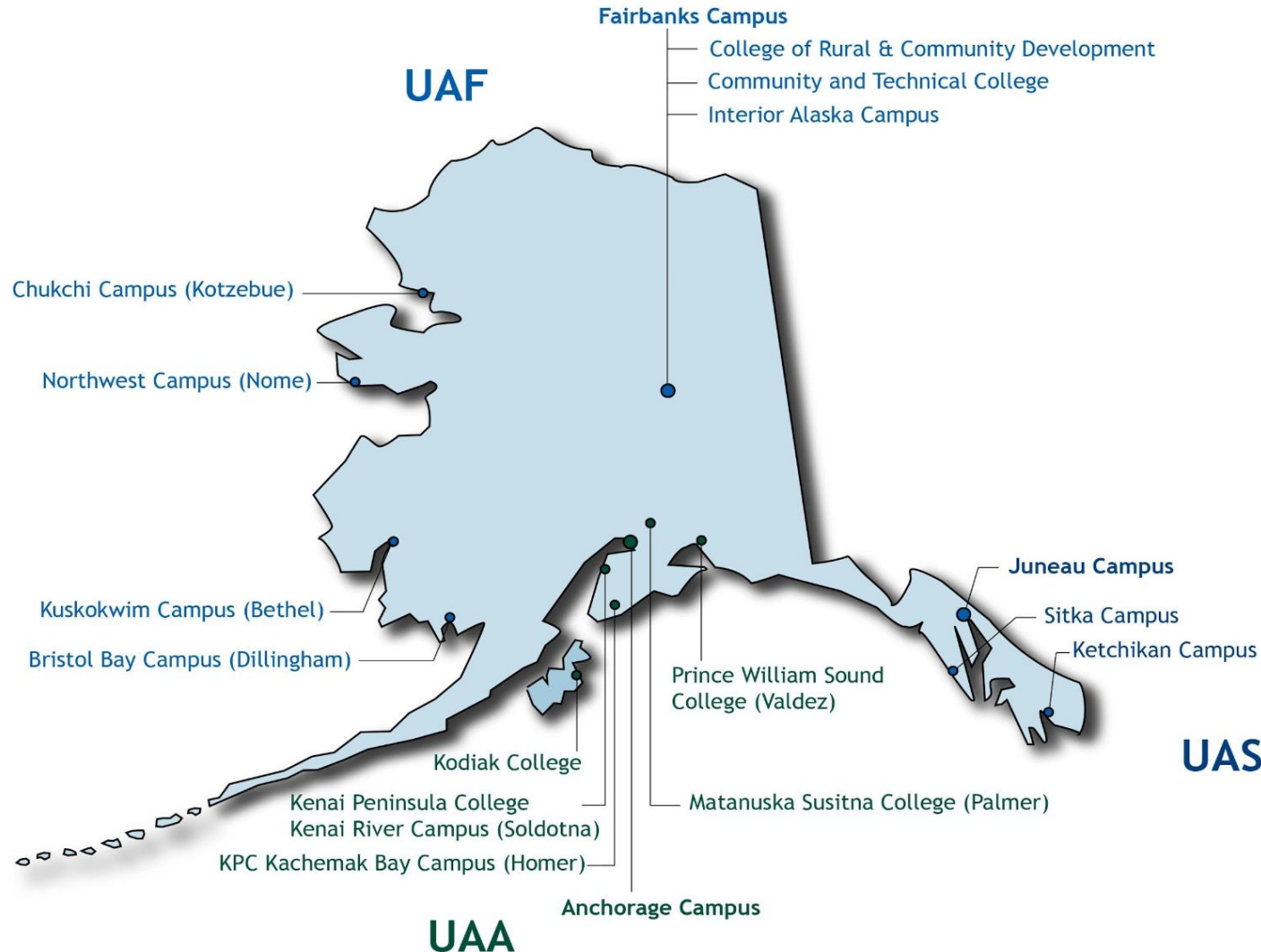
Pat Pitney
Interim President

Teri Cothren
Associate Vice President

Senate Labor & Commerce Committee
January 24, 2022

University of Alaska

Alaska's System of Higher Education



Three universities:

- Diverse missions
 - Research
 - Open access, comprehensive
 - Regional
- Value
 - Serving their communities
 - Offering a breadth of programs from workforce credentialing to doctoral degrees



Essential to Alaska's economic recovery, diversity and growth

STABILITY – CONFIDENCE – TRUST

- Meet Alaska's workforce needs through increased skill and degree attainment
- World-class nationally competitive research
- Operate more cost effectively



Value of Postsecondary Education

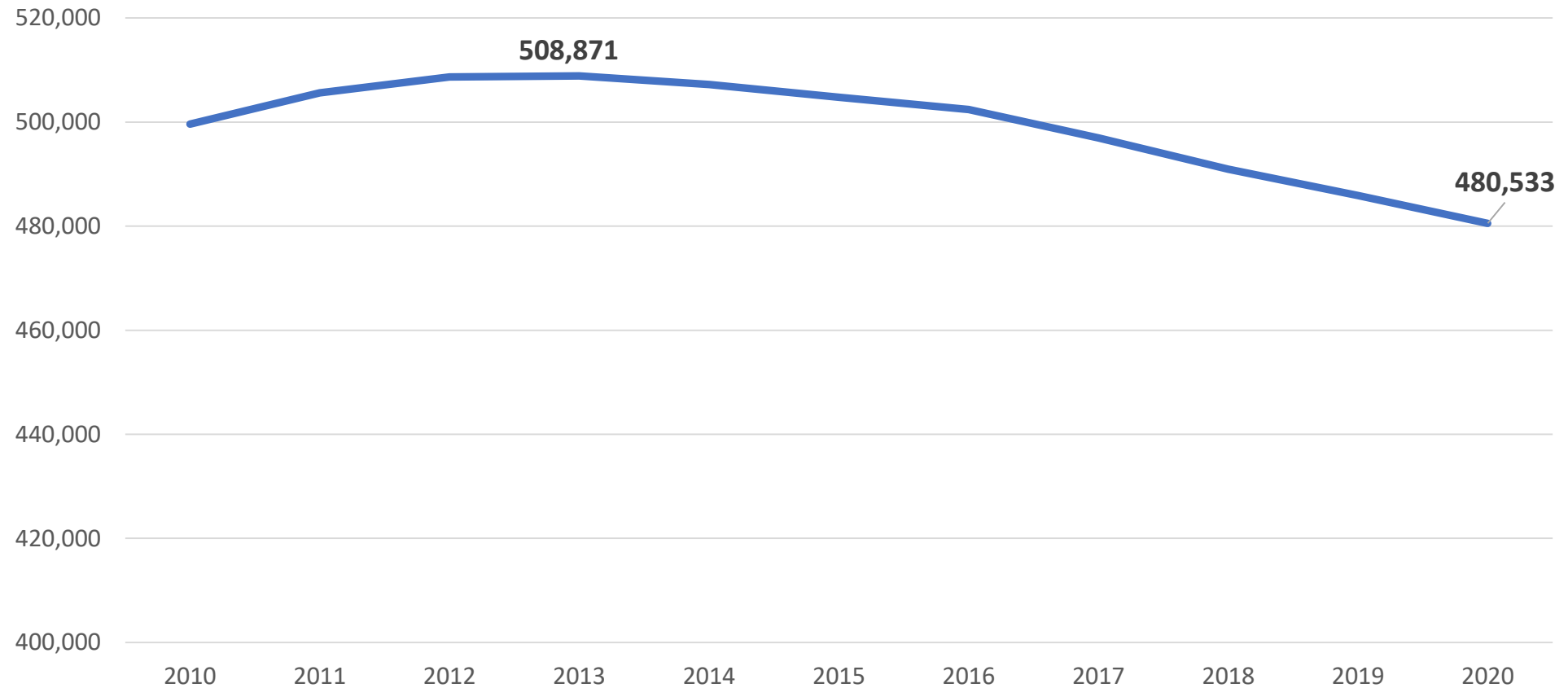
Median earnings:

- \$35,328 for high school graduates
- \$44,619 for Alaskans with an associate's
- \$57,708 for those with a bachelor's
- \$77,402 for holders of graduate or professional degrees



Alaska's Workforce Pipeline

Working Age (15-64)



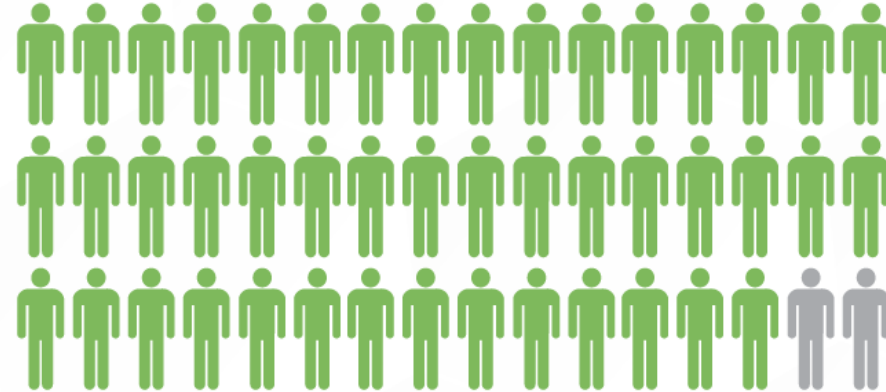
Data from AK Dept. of Labor & and Workforce Development



Percent of UA Graduates Working in Alaska

96.3%

of working graduates
are Alaska residents



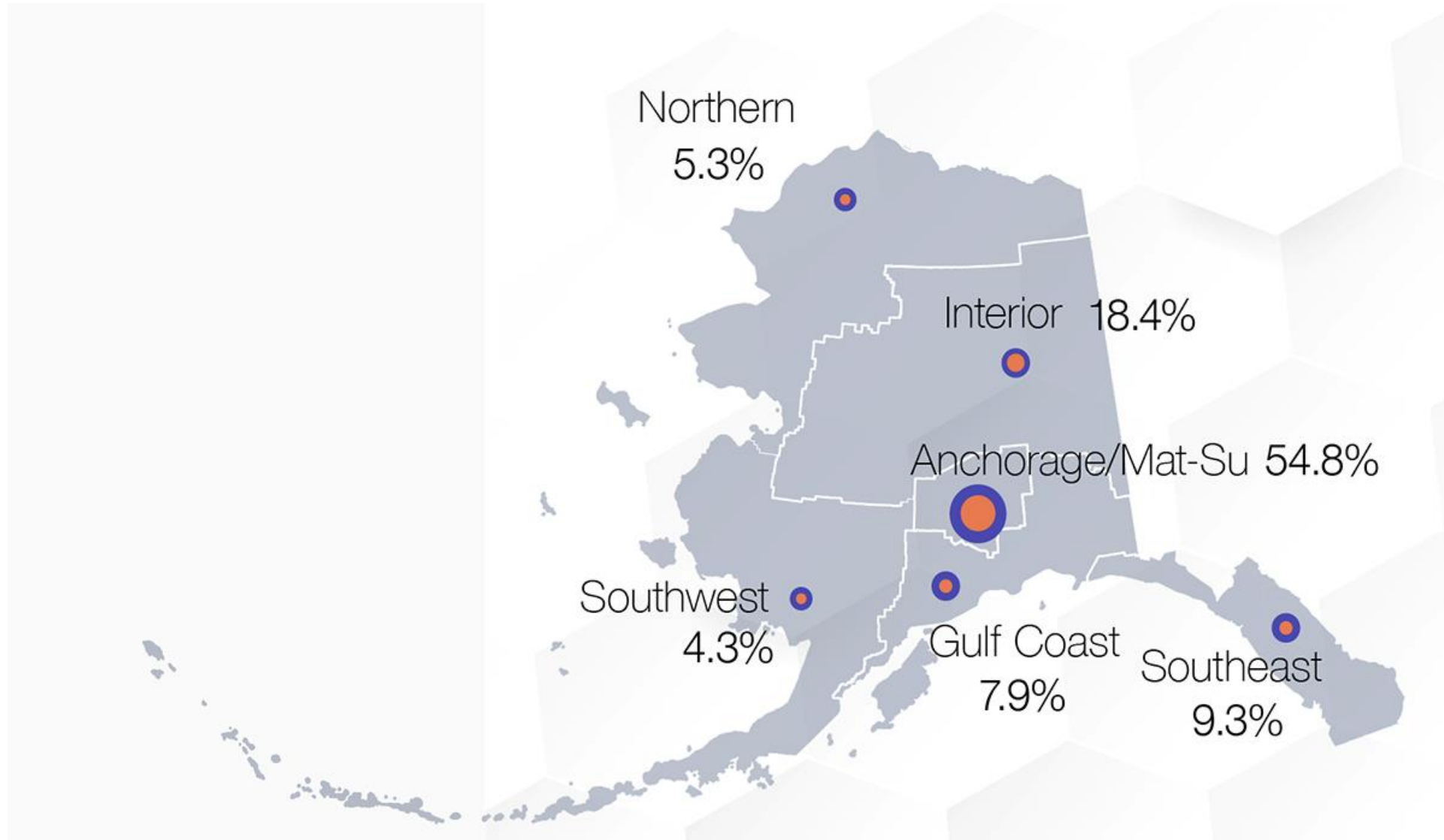
For comparison, residency for
all Alaska workers is

79.3%

Aggregate of all 17,725 UA graduates included in the 9 industry workforce reports



Where UA Graduates Work in Alaska



Aggregate of all 17,725 UA graduates included in the 9 industry workforce reports



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Many Traditions One Alaska

2022 Jobs Forecast & Infrastructure Bill

Capitalizing on federal investment to strengthen Alaska's future

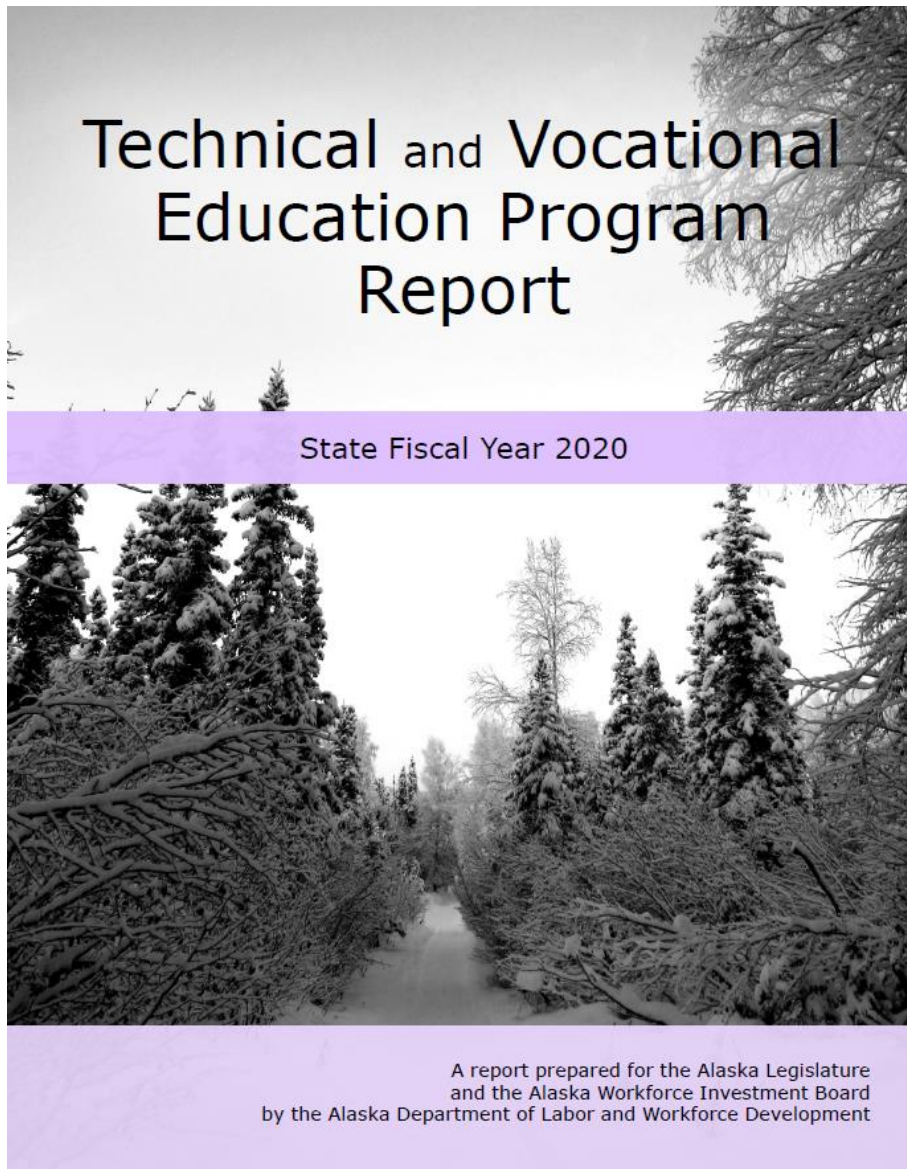
- \$1.2 trillion infrastructure bill – workforce needed for roads, bridges, broadband, ferry system, water, and wastewater projects
 - CDL Drivers
 - Construction Managers
 - Heat/Air/Ref Mechanics
 - General Ops Managers
 - Telecommunication Install/Rep
 - Engineers & Engineering Techs
 - Architects
 - Welders
 - Surveyors
 - Facilities Repair & Management
 - Business Services
- Job growth also anticipated in health care, transportation, public schools, and oil and mining exploration and development

UA is Key to Meeting
AK's Workforce Needs



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TVEP Supports Workforce Development



Fiscal Year 2020 UA Outcomes

- Trained 49.7% of CTE students statewide
 - 4,320 students trained
 - 746 high school students received college credit
- Programs delivered
 - Non-credit short-term courses serving the mining and seafood industries
 - OEC, certificate and associate degrees leading to employment in Alaska's high-demand industries – such as health care, oil and gas, maritime, aviation, and construction

UA Workforce Reports – Industries Highlighted



Administration & Finance



Aviation



Construction



Fisheries & Marine Science



Health



Information Technology



Mining



Oil & Gas



Teacher Education



UA Construction Programs



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ANCHORAGE™

- Architectural & Engineer Tech
- Architectural Technology
- Civil Engineering
- Civil Technology
- Construction Management
- Diesel Power Technology
- Geomatics
- Heavy Duty Trans & Equipment
- Mechanical & Electrical Tech
- Nondestructive Testing
- Occupational Safety & Health
- Residential Air Cond, Ref, Heat
- Refrigeration & Heat Tech
- Structural Technology
- Welding

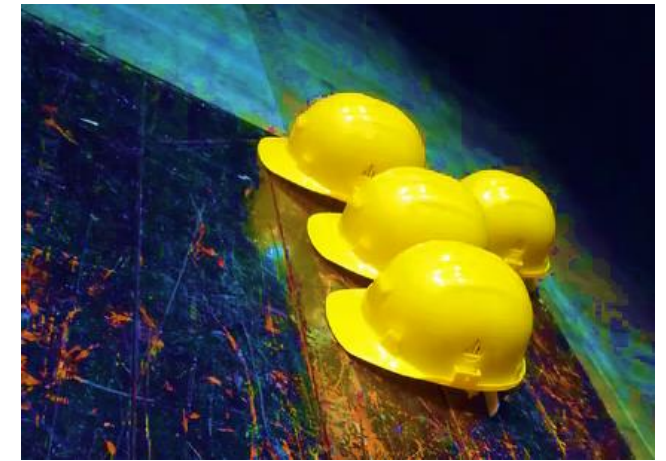


- Basic Carpentry
- Civil Engineering
- Construction Management
- Drafting Technology
- Facility Maintenance
- Welding



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SOUTHEAST

- Construction Technology
- Power Technology
- Welding



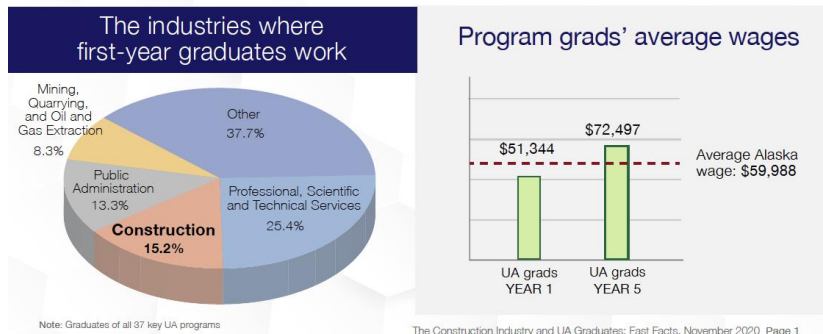
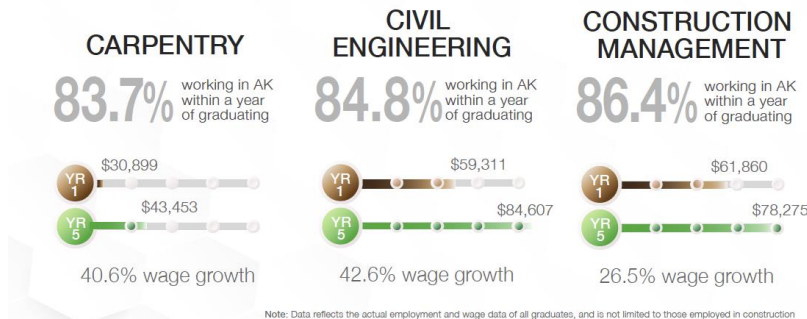
37 Programs

- 19 OEC/Certificates
- 11 Associates
- 4 Bachelors
- 3 Masters

Note: Engineering Management and Project Management are represented in other reports.



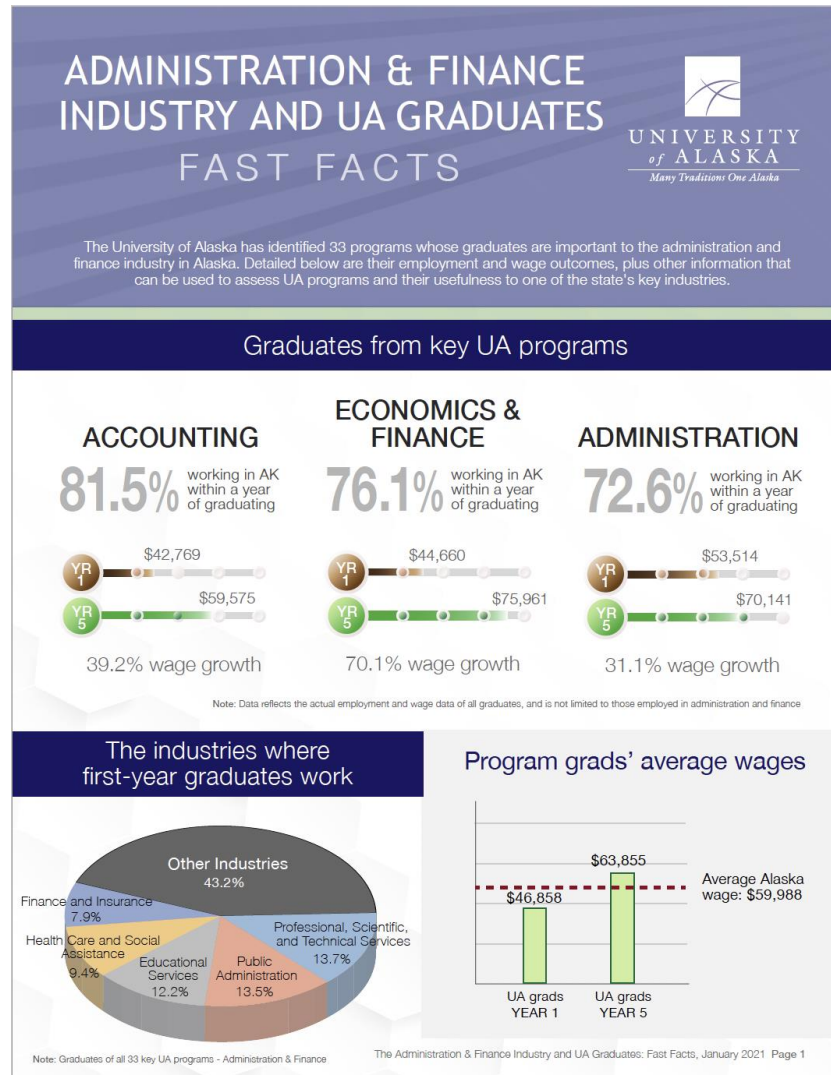
UA Workforce Report – Construction



UA Construction Graduate Highlights

- How many programs serve the construction industry? **37**
- Do these programs boost the Alaska hire rate?
 - **96.7% of working grads are Alaska residents**
 - **Residency is 80.3% for all construction workers**
- What percentage of grads obtain employment in Alaska on average in their first-year? **85%**
- What are the grads average wages at five-years? **\$72,497**

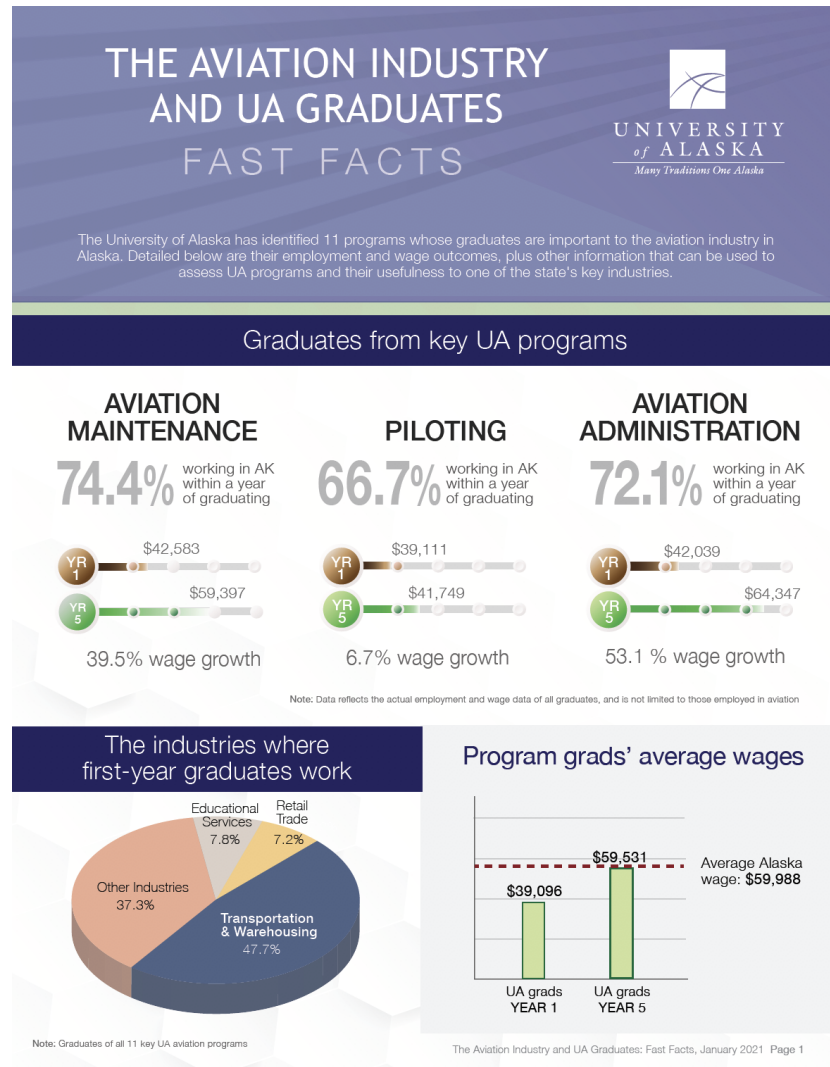
UA Workforce Report – Administration & Finance



UA Admin & Finance Graduate Highlights

- How many programs serve this industry? **33**
- How many graduates in the past 10 years have these programs produced? **5,815**
- What are the grads average wages at five-years? **\$63,855**
- What industries do 1st year graduates work?
 - 13.7% Professional, Scientific, Technical Services
 - 13.5% Public Administration
 - 12.2% Educational Services
 - 9.4% Health Care and Social Assistance
 - 7.9% Finance & Insurance
 - 43.2% Other Industries

UA Workforce Report – Aviation

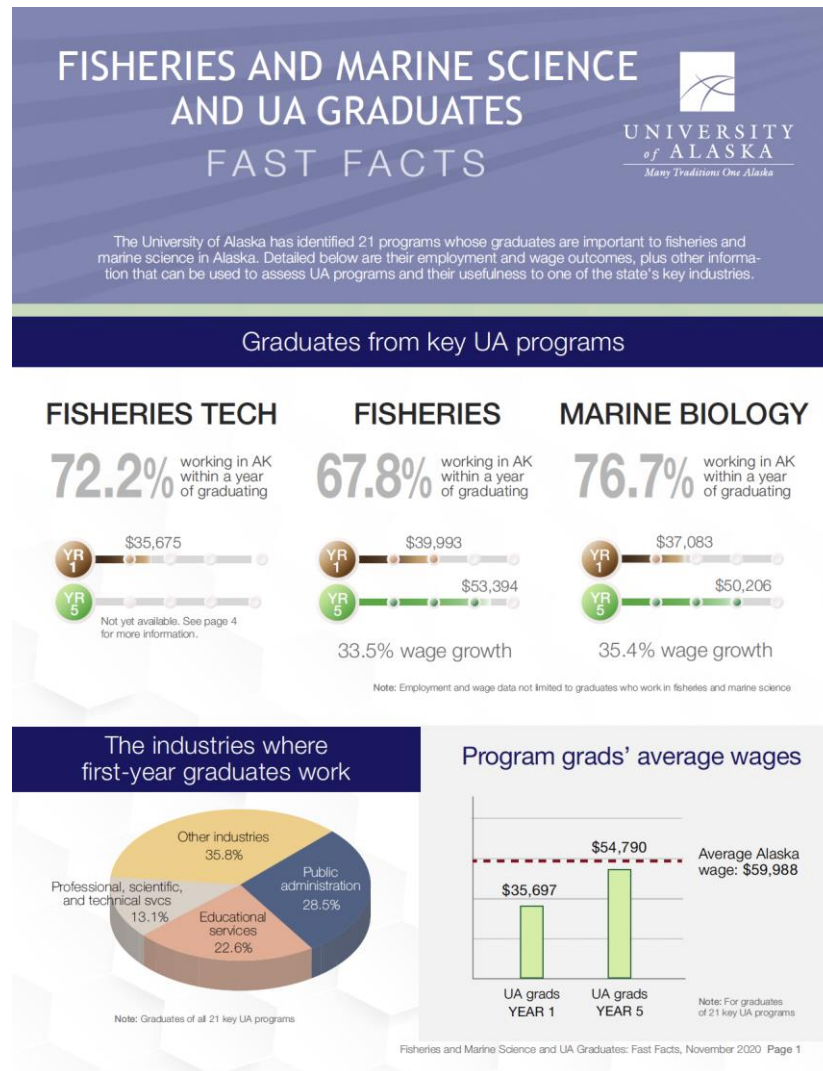


UA Aviation Graduate Highlights

- How many programs serve this industry? **11**
- Do these programs boost the Alaska hire rate?
 - **94.6% of working grads are Alaska residents**
 - **Residency is 79.6% for all aviation workers**
- What are the grads average wages at five-years?
Range from \$52,364 to \$73,685
- What industries do 1st year graduates work?
Nearly half, **47.7%**, found direct employment in transportation and warehousing and **37.3%** in related industries



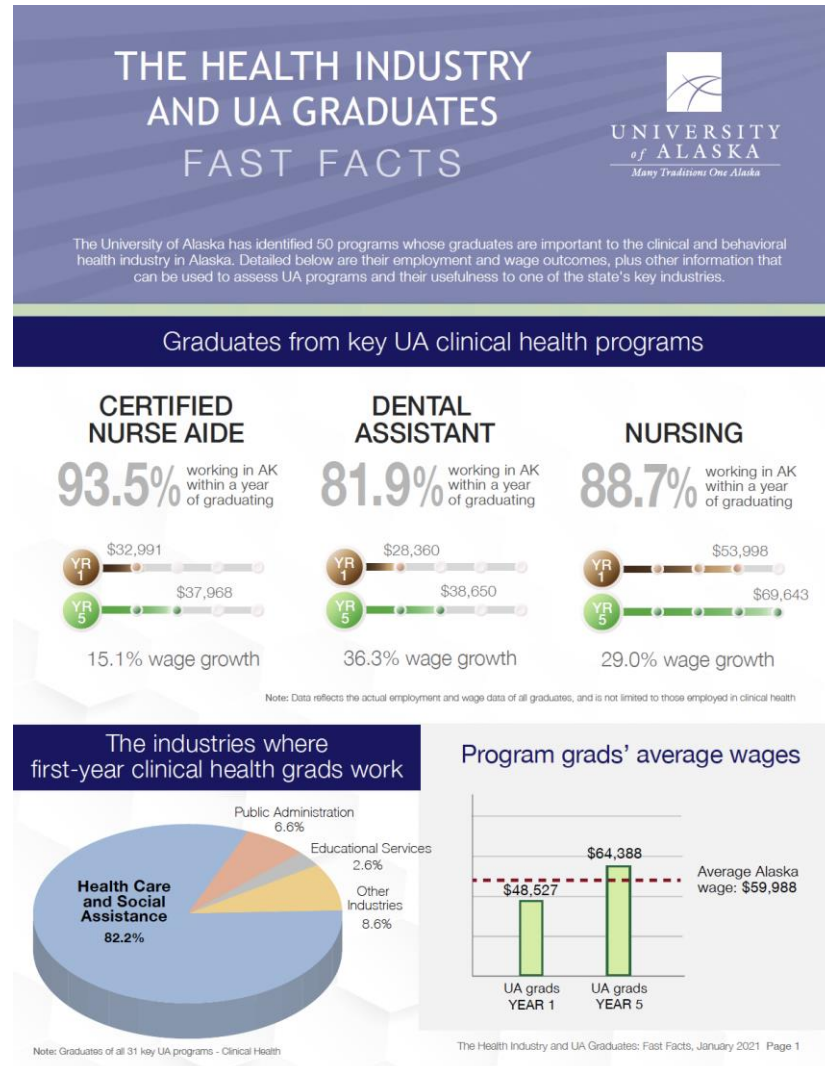
UA Workforce Report – Fisheries & Marine Science



UA Fisheries & Marine Science Grad Highlights

- How many programs serve this industry? **21**
- How many graduates in the past 10 years have these programs produced? **975**
- Do these programs boost the Alaska hire rate?
 - **94.1% of working grads are Alaska residents**
 - **Residency is 66.3% for all fisheries and marine science workers**
- What are the grads average wages at five-years? **\$54,790**

UA Workforce Report – Health

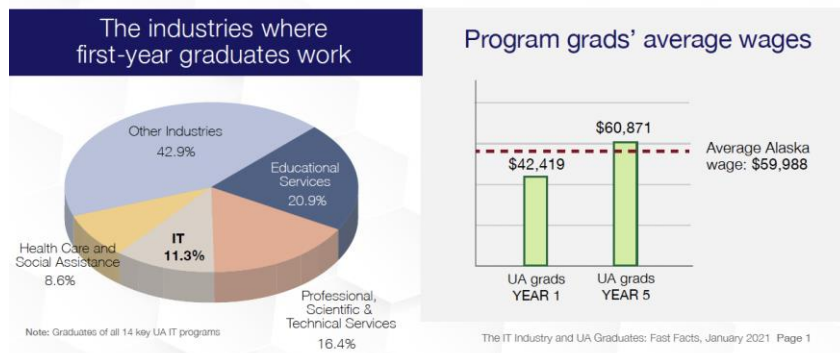
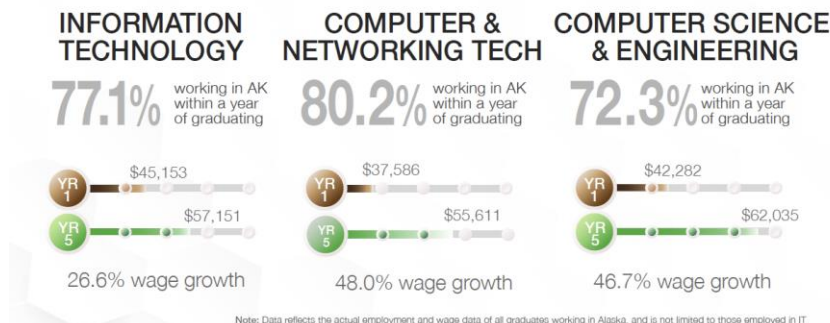


UA Clinical & Behavioral Health Grad Highlights

- How many health programs does UA offer? **50**
- Do these programs boost the Alaska hire rate?
 - **96.7% of working grads are Alaska residents**
 - **Residency is 85.5% for all health workers**
- What percentage of first-year grads work in health care and social assistance?
 - **82.2% of clinical graduates**
 - **57.8% of behavioral health graduates**
- What are the grads average wages at five-years?
 - **\$64,388 for clinical graduates**
 - **\$52,304 for behavioral health graduates**



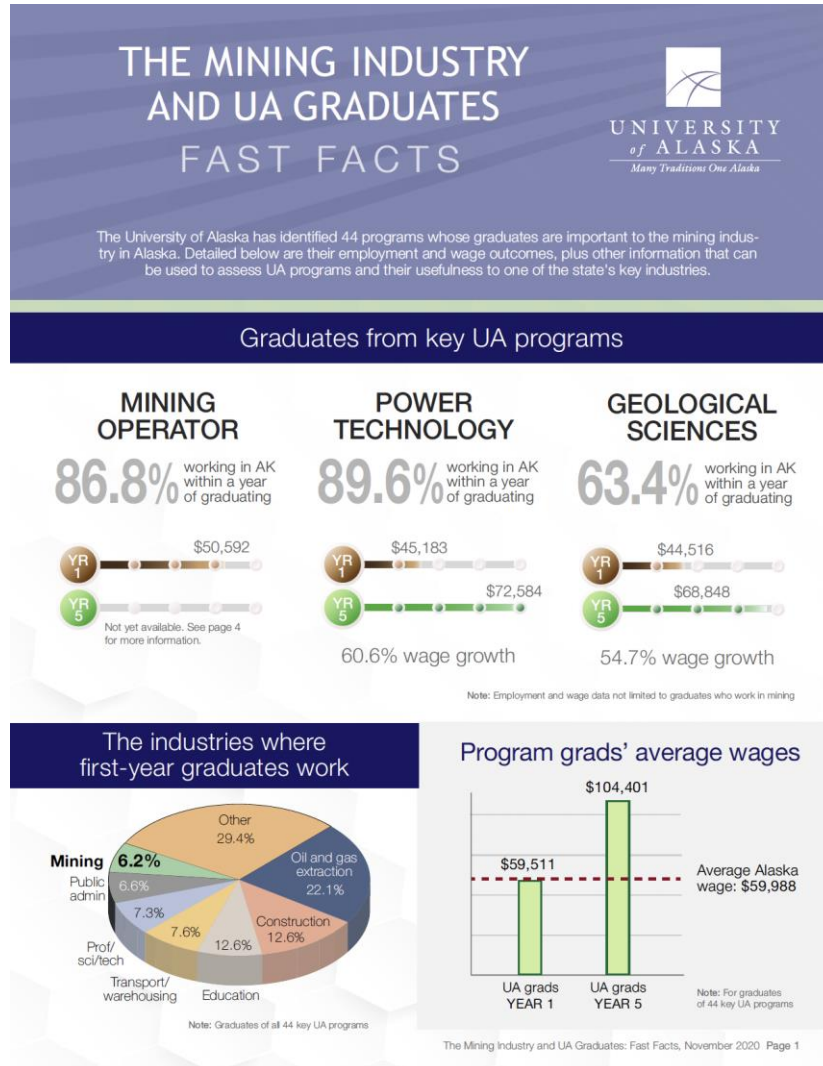
UA Workforce Report – Information Technology



UA IT Graduate Highlights

- How many IT programs does UA offer? **14**
- What percentage of grads obtain employment in Alaska on average in their first-year? **76.5%**
- What industries do 1st year graduates work?
 - 20.9% Educational Services
 - 16.4% Professional, Scientific & Technical Services
 - 11.3% Information Technology
 - 8.6% Health Care and Social Assistance
 - 42.9% Other Industries
- What are the grads average wages at five-years? **\$60,871**

UA Workforce Report – Mining

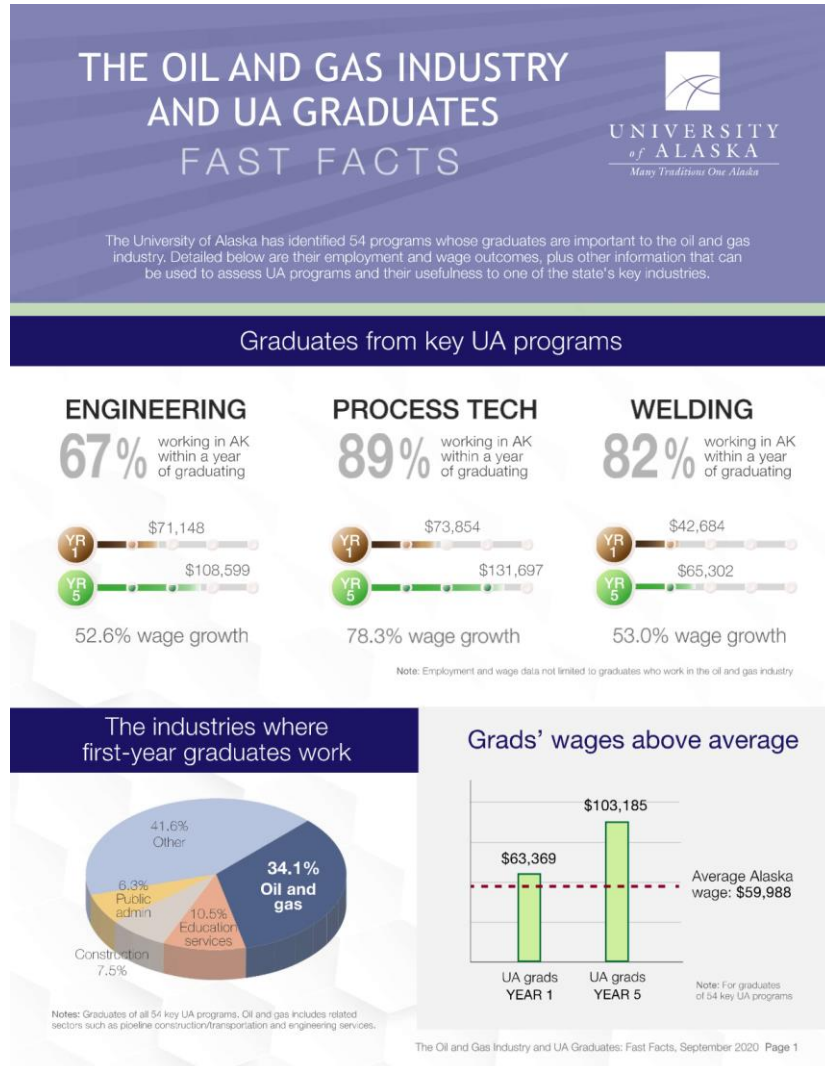


UA Mining Graduate Highlights

- How many programs serve the mining industry?
44
- Do these programs boost the Alaska hire rate?
 - 92.7% of working grads are Alaska residents**
 - Residency is 65.3% for all mining workers**
- What percentage of grads obtain employment in Alaska on average in their first-year? **79.9%**
- What are the wages compared to the State average wages at five-years? **+\$44,413 for a total of \$104,401**



UA Workforce Report – Oil and Gas



UA Oil and Gas Graduate Highlights

- How many programs serve the oil and gas industry? **54**
- Do these programs boost the Alaska hire rate?
 - **93.5% of working grads are Alaska residents**
 - **Residency is 70.9% for all oil and gas workers**
- What percentage of grads obtain employment in Alaska on average in their first-year? **79.3%**
- What are the wages above the State average wages?
 - **+\$3,381 Year 1**
 - **+\$43,197 Year 5**

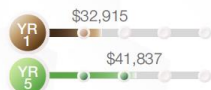


UA Workforce Report – Teacher Education



EARLY CHILDHOOD

82.6% working in AK within a year of graduating



27.1% wage growth

ELEMENTARY

89.7% working in AK within a year of graduating



27.2% wage growth

SECONDARY

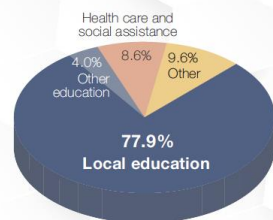
89.4% working in AK within a year of graduating



26.6% wage growth

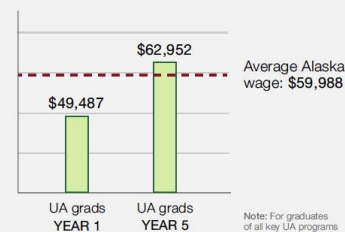
Note: Employment and wage data not limited to graduates who work in education

The industries where first-year graduates work



Note: For graduates of all key UA programs

Program grads' average wages



Note: For graduates of all key UA programs

Education Hiring and UA Graduates: Fast Facts, December 2020 Page 1

UA Teacher Education Graduate Highlights

- How many programs serve teacher education? **41**
- Over the past 10 years, how many found employment in local government education? **77.5%**
- Do these programs boost the Alaska hire rate?
 - **97.8% of working grads are Alaska residents**
 - **Residency is 90.4% for all education workers**
- What are the grads average wages at five-years? **\$62,952**

Thank you

Pat Pitney

Interim President

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