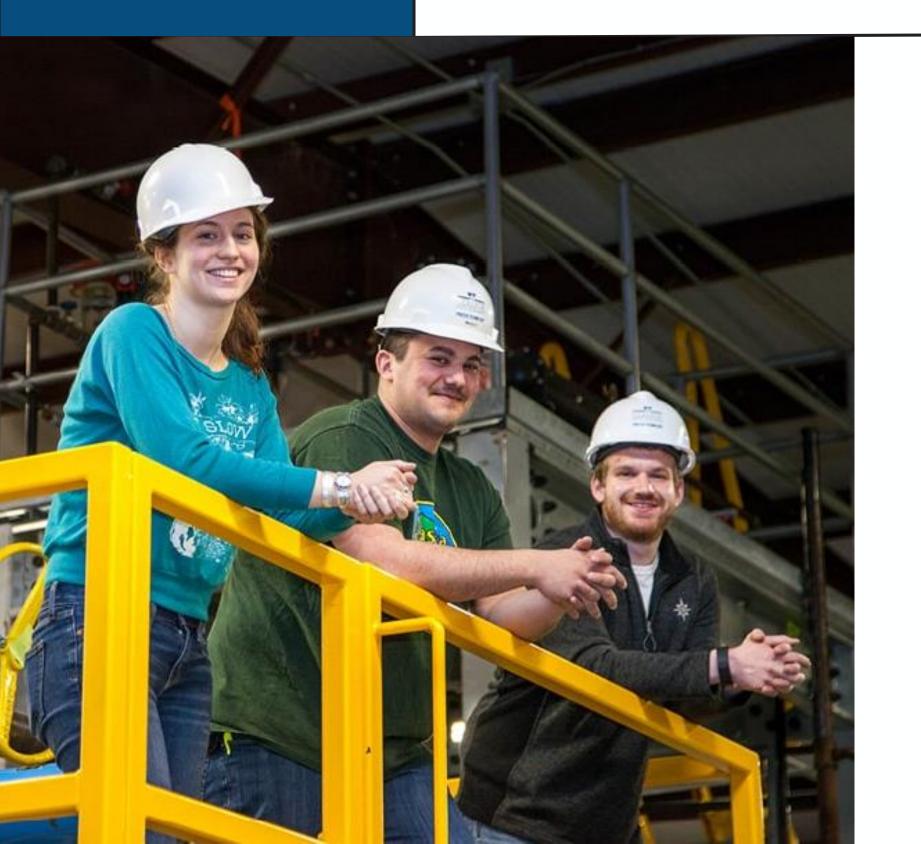


# UA HOUSE FINANCE SUBCOMMITTEE FEBRUARY 17, 2025



# Expanding Access to Programs and High Demand Careers



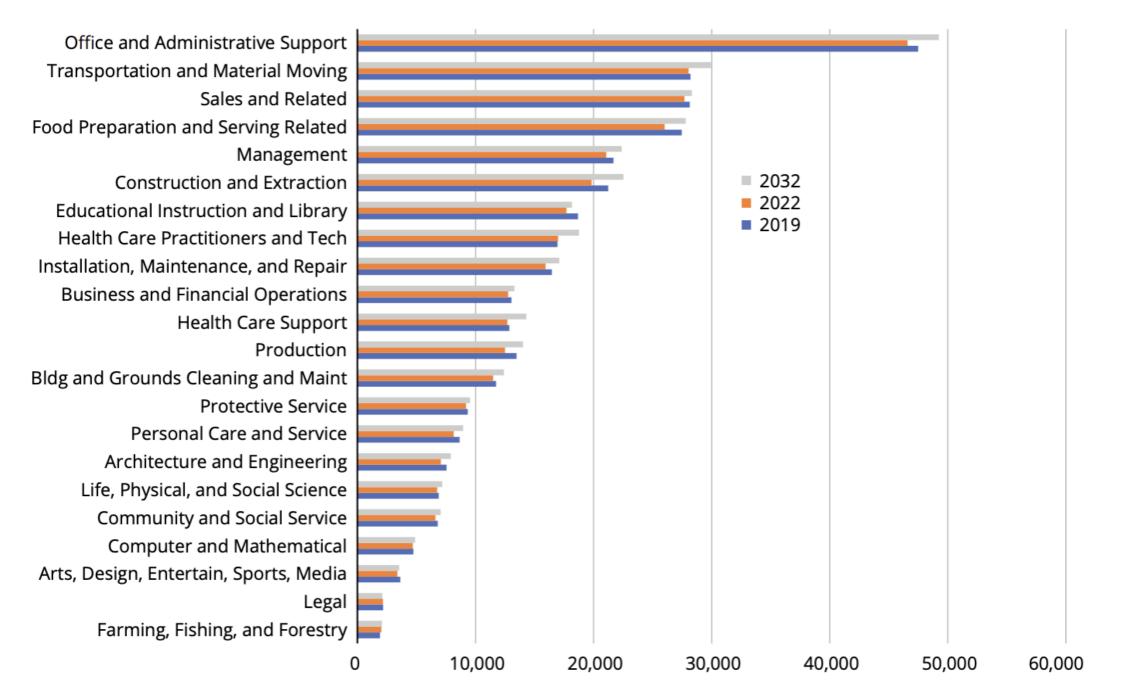
## **ALASKA'S WORKFORCE PIPELINE**



12 Years of Net Migration

# Alaska Job Projections | 2022-2032

### Projected total job counts by occupational group through 2032



Note: Occupational categories are based on the federal Standard Occupational Classification Manual.

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

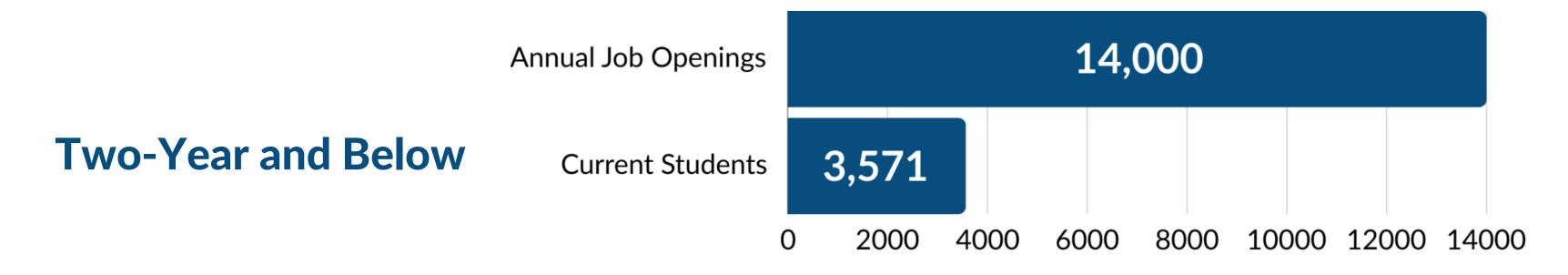


UA is Key to Meeting
Alaska's Workforce Needs

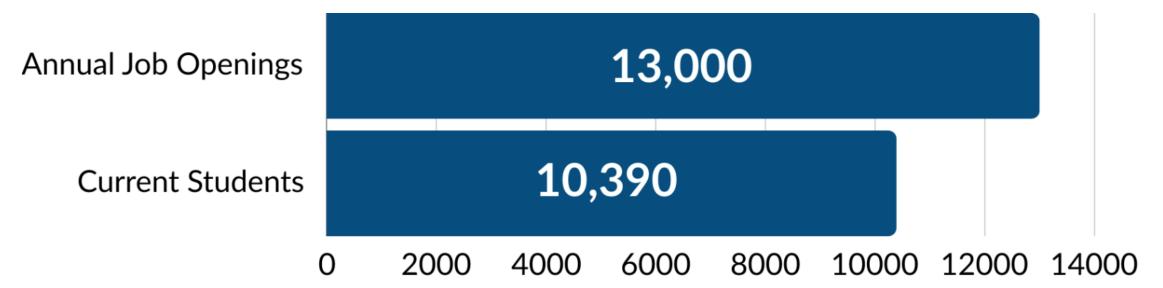
### **Workforce Projected Demand & Current Supply**



By 2031, 68% of Alaska Jobs Will Require Postsecondary Education\*





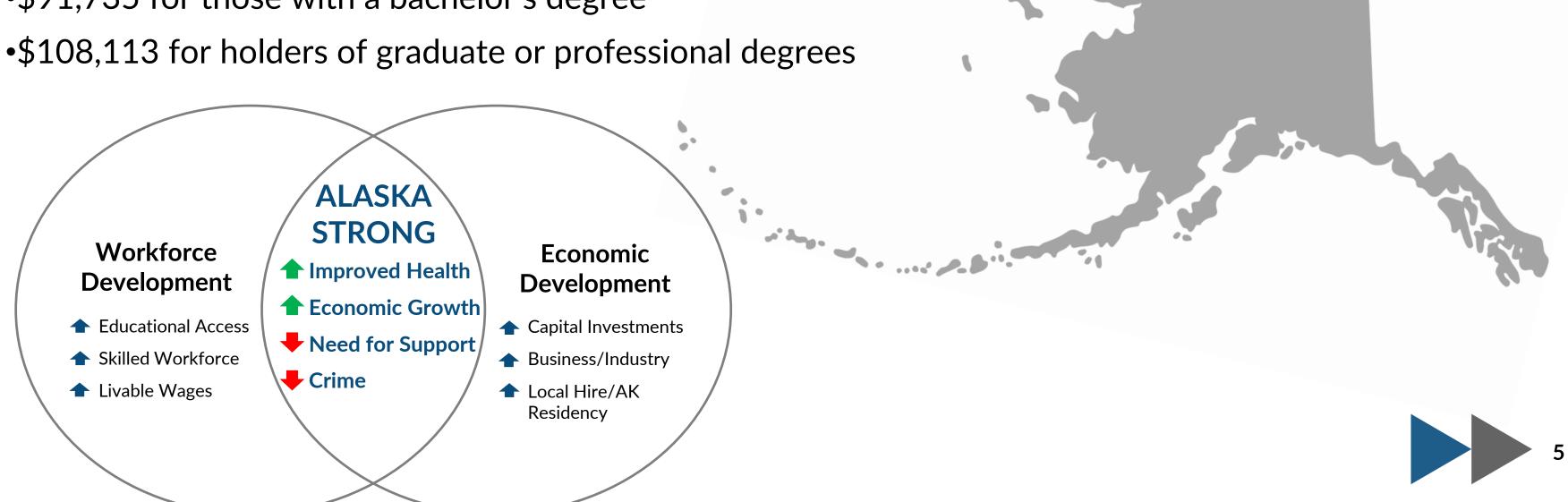


<sup>4</sup> 

## VALUE OF POSTSECONDARY EDUCATION

### **Education Pays**

- •\$49,525 for high school graduates
- •\$71,709 for Alaskans with an associate degree
- •\$91,735 for those with a bachelor's degree



# **UA SYSTEM**

Three Universities, One System

### **Unique Missions Offering Diverse Value**

16+

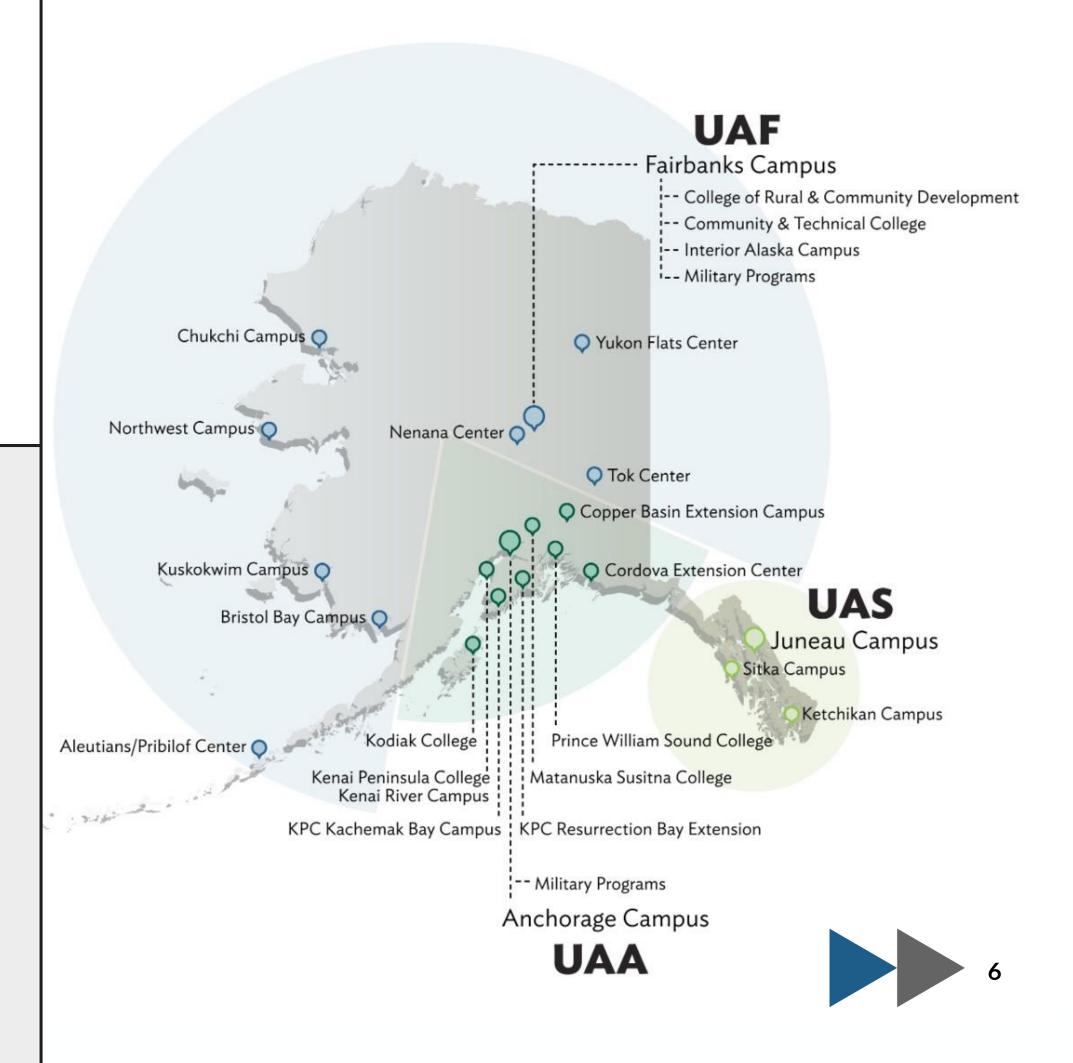
Colleges, campuses, and extension sites providing access statewide

400+

Breadth of programs from workforce credentialing to doctoral degrees

20K+

Students served across all six economic regions



## **EMPOWERING ALASKA'S WORKFORCE** THE ROLE OF UA'S COMMUNITY CAMPUSES





Kenai Peninsula College (KPC) is committed to excellence in education, training, and life-long learning by offering accessible opportunities in a supportive environment

As a Community Campus of UAA, more than 4,500 students find their place at KPC each year and pursue unique academic goals in a variety of disciplines and degree programs. Students have the choice to study at one of KPC's three locations - beautiful Soldotna, Homer, and Seward - as well as take courses through KPC's expanding virtual college.

- **ACADEMIC YEAR 24 NUMBERS** 4.058 student per year
- 27 full-time and 59 part-time faculty · 52 full-time and 20 part-time staff

### **PROGRAMS**

- · Adult basic education and GED programs · 7 occupational endorsement certificates
- 5 certificate programs
- · 8 associate degree programs



Programs like Middle College allow students to gain an enormous head start in their careers and prevents financial debt, as udents start without having to pay for the full tuition and fees. It opens up job opportunities, teaches responsibility, and helps students explore their interests.

Willow Patrick, Middle College Class of 24

### TRANSFORMING EDUCATION TO CAREER OUTCOMES

A year after graduating, UAA Kenai Peninsula program graduates (FY17 - FY21) were earning an average of \$56,388 annually, about 34 percent (\$14,270) more than they did one year before earning the certificate or degree. Program graduates (FY13 - FY17) working for 5 years were making 58 percent (\$32,724) higher wages on average than graduates who had only been working one year, showing that the earnings boost from a UAA Kenai Peninsula credential increases over time.

One Year before	One Year after	Five Years after	Salary Increase	% Increase
Graduation	Graduation	Graduation	(One Year to Five)	(One Year to Five)
\$42,118	\$56,388	\$89,112	\$32,724	58%





### **ACADEMIC YEAR 2024**

- 750 students 14 full-time and 20 part-time faculty
- 18 full-time and 2 part-time staff

- · 8 occupational endorsement programs
- 6 certificate programs



I had the privilege of being part of the 2023 Alaska Aquaculture Semester. The experience transformed my perspective on future goals. Before the semester, I was uncertain about the field of fisheries management. However, the hands-on experiences in various areas provided incredible insight

participated in tours and learn from guest speakers who were experts in the industry. The Alaska Aquaculture Semester helped me discover my true passion within fisheries. In fact, one of the guest speakers ended up becoming my boss, which shows just how much this program helped me find my path."

-Travis Russell, student

### TRANSFORMING EDUCATION TO CAREER OUTCOMES

A year after graduating, UAS Sitka program graduates (FY17 - FY21) were earning an average of \$40,640 annually, about 37 percent (\$14,851) more than they did one year before earning the certificate or degree. Program graduates (FY13 - FY17) working for 5 years were making 12 percent (\$6,730) higher wages on average than graduates who had only been working one year, showing that the earnings boost from a UAS Sitka credential increases over time. This demonstrates that UAS Sitka credentials boost our graduates' earnings even further over time.

One Year after Graduation	Five Years after Graduation	Salary Increase (One Year to Five)	% Increase (One Year to Five)	
\$55,491	\$62,221	\$6,730	12%	
	Graduation	Graduation Graduation	Graduation (One Year to Five)	





in Dillingham is a community campus within UAF's College of Indigenous Studies. The campus is a gateway into the entire University of Alaska educational system, and is known for the two unique Occupational

### **ACADEMIC YEAR 2024**

- 4 full-time and 1 part-time faculty • 12 full-time and 3 part-time staff

### **PROGRAMS**

- · Alaska Sea Grant Marine Advisory program
- UAA associate degree Nursing program Alaska adult education and GED program.



### TRAINING TRAINERS FOR COMMUNITY RESILIENCE

Students who completed three train-the-trainer solar installation classes learned how to instruct others. Students traveled to Dillingham from around the state and were instrumental in updating the original solar panels on the campus building in Dillingham. Eight students have gone on to co-teach Juneau to Kotzebue.

Left: Tom Evelage & Professor Tom Marsik installing

### TRANSFORMING EDUCATION TO CAREER OUTCOMES

A year after graduating, Bristol Bay program graduates (FY17 - FY21) were earning an average of \$32,598 annually, about 1 percent (\$321) more than they did one year before earning the certificate or degree. Program graduates (FY13 - FY17) working for 5 years were making 35 percent (\$11,274) higher wages on average than graduates who had only been working one year, showing that the earnings boost from a

One Year before Graduation	One Year after Graduation	Five Years after Graduation	Salary Increase (One Year to Five)	% Increase (One Year to Five)
\$32,277	\$32,598	\$43,872	\$11,274	35%
		IAF UNIVERSIT	Y OF	



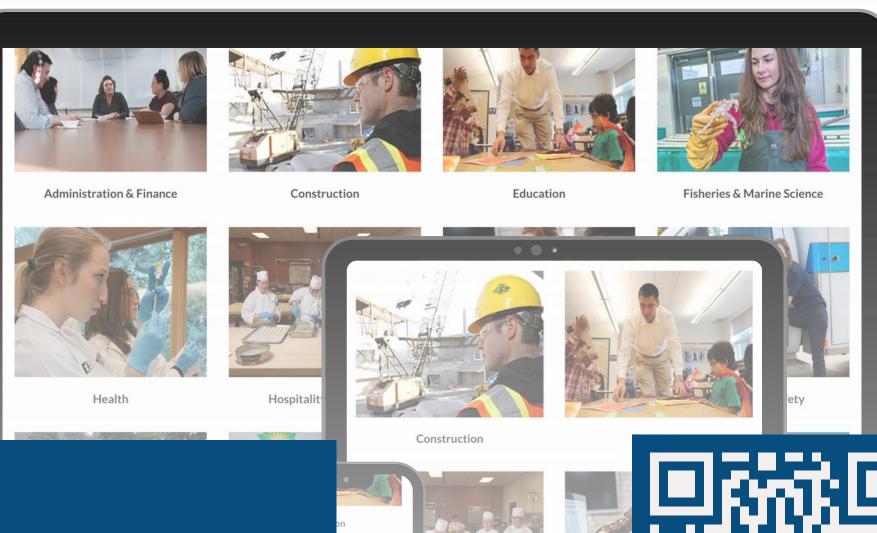
**NEARLY** 

9,000

### **STUDENTS SERVED ACROSS ALASKA**



# 2025 **UA WORKFORCE REPORTS**



### 11 INDUSTRIES HIGHLIGHTED

Administration & Finance

Construction

Education

Health

Hospitality & Tourism

Information Communication Technology

Fisheries & Marine Science Law & Public Safety Mining

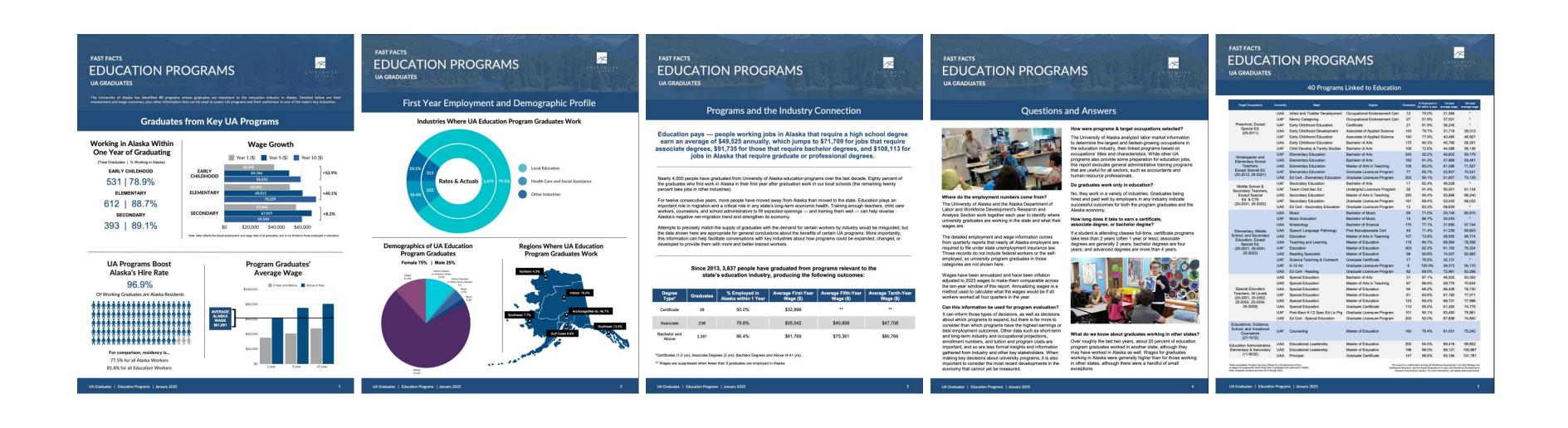
Oil & Gas

Transportation



tality & Tourism

### **UA WORKFORCE REPORTS**





## **UA's Impact on Alaska's Workforce**

Since 2013

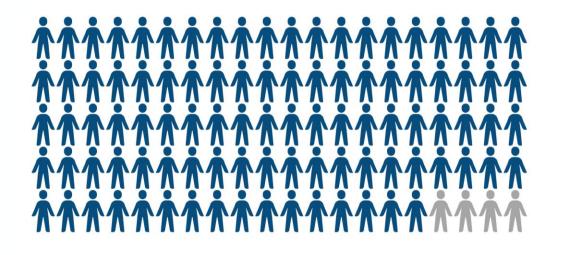
26,963

students have graduated from programs relevant to the state's high demand industries and produced the following outcomes:

### **UA'S IMPACT ON ALASKA'S WORKFORCE**

Degree Type	Graduates	% Employed in Alaska within 1 year	Average First-Year Wage (\$)	Average Fifth-Year Wage (\$)
Certificate and Associate	10,432	82.2%	\$56,143	\$76,922
Bachelor and Above	16,531	76.2%	\$60,311	\$80,164

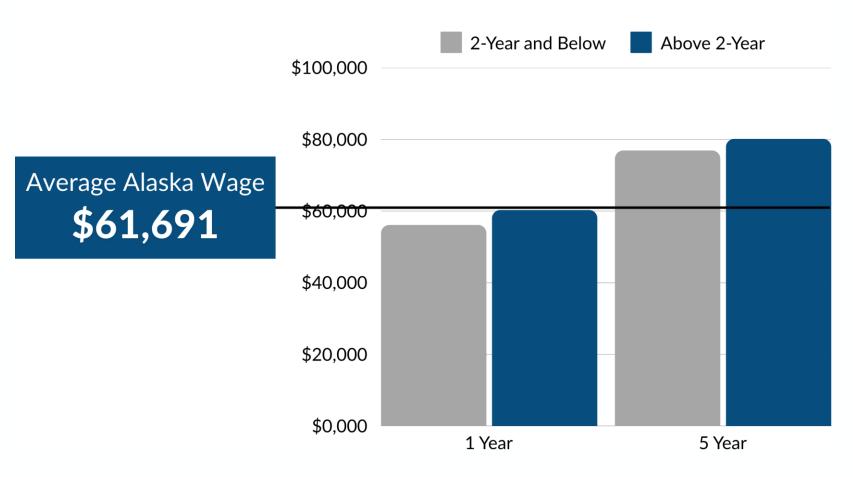
### **UA PROGRAMS BOOST ALASKA'S HIRE RATE**



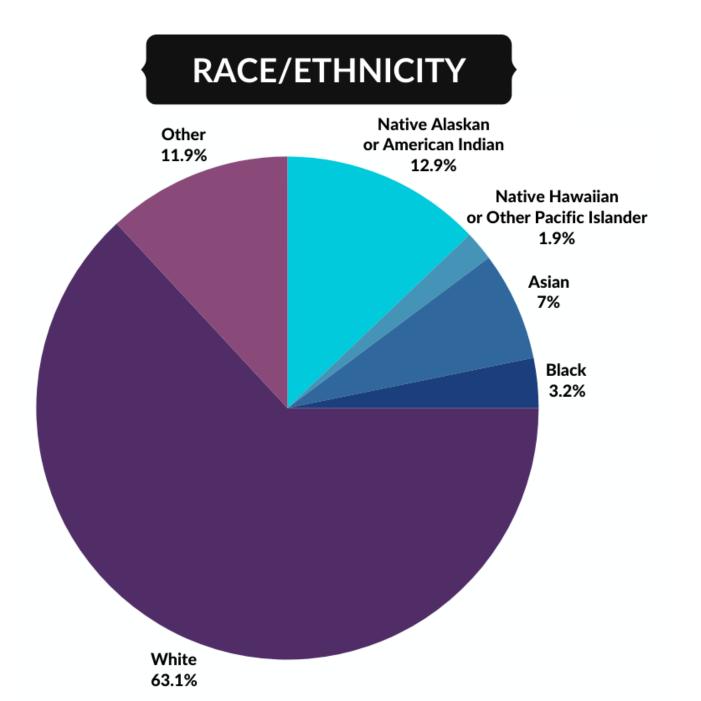
96%
Of Working Graduates are Alaska Residents

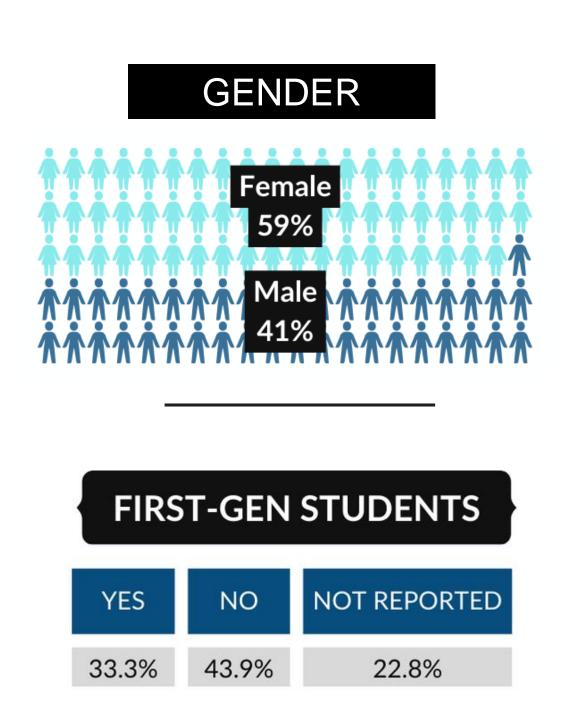
For comparison, residency is 77.5% for All Alaska Workers

### **GRADUATES' AVERAGE WAGE**



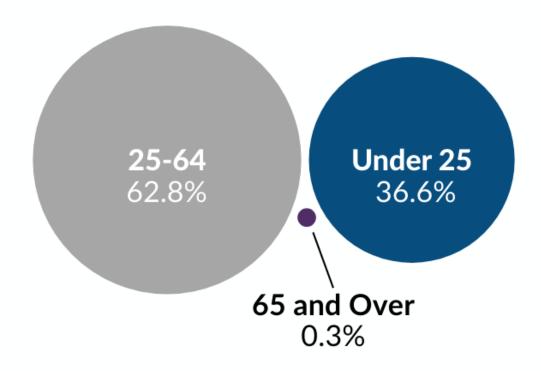
### **UA WORKFORCE DEMOGRAPHICS**





The National Center for Education Statistics defines first-gen students as those whose parents' highest education is a high school diploma or less.

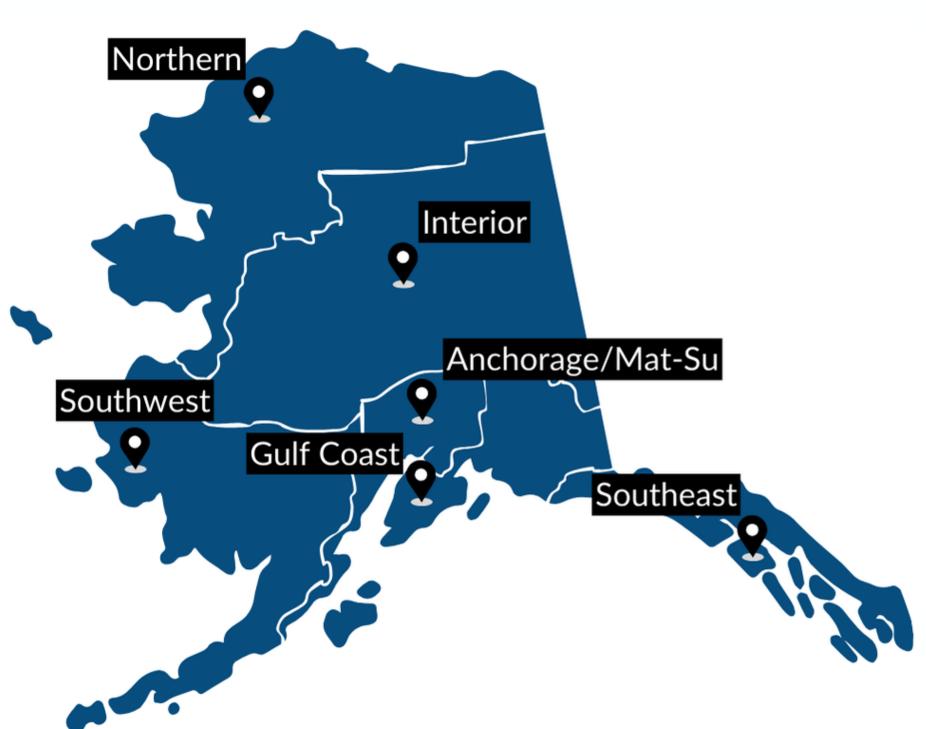
### **WORKING AGE DISTRIBUTION**

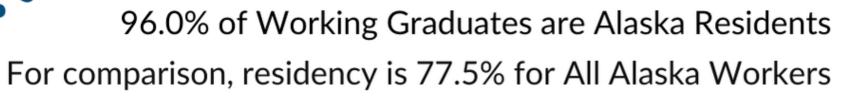


The median working age in Alaska is 40 years old.

# UA GRADUATES WORK IN ALL OF ALASKA'S SIX ECONOMIC REGIONS

%
54.2%
7.4%
19.6%
4.7%
10.3%
3.8%







# **EDUCATION**

**UA Workforce Report Highlights** 

40 UA Programs Support the Education Industry

3.637 Graduates since 2013

### **Graduates from Key UA Programs**

# Working in Alaska Within One Year of Graduating

(Total Graduates | % Working in Alaska)

**EARLY CHILDHOOD** 

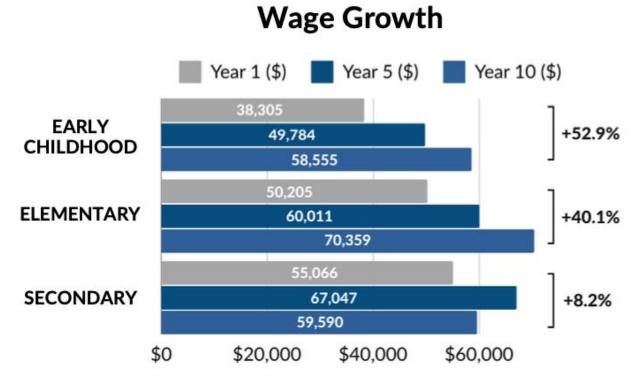
531 | 78.9%

**ELEMENTARY** 

612 | 88.7%

SECONDARY

393 | 89.1%

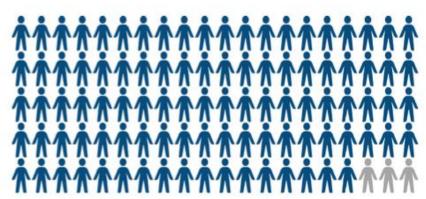


Note: Data reflects the actual employment and wage data of all graduates, and is not limited to those employed in education.

### **UA Programs Boost Alaska's Hire Rate**

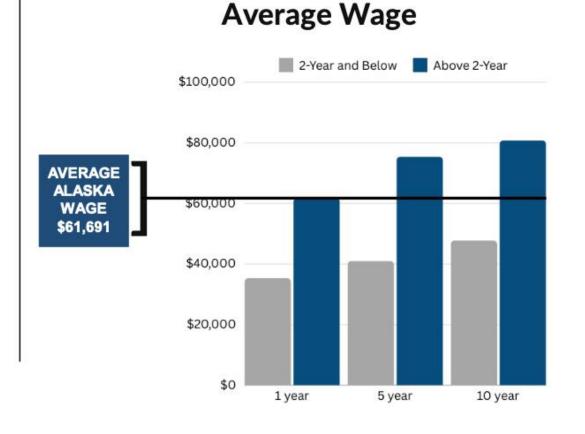
96.9%

Of Working Graduates are Alaska Residents



For comparison, residency is...

77.5% for all Alaska Workers 81.8% for all Education Workers



**Program Graduates'** 

# CLINICAL HEALTH

**UA Workforce Report Highlights** 

UA Programs Support the Clinical Health Industry

7,656 Clinical and Behavioral Health Graduates since 2013



### **Graduates from Key UA Clinical Health Programs**

# Working in Alaska within One Year of Graduating

(Total Graduates | % Working in Alaska)

Certified Nurse Aide

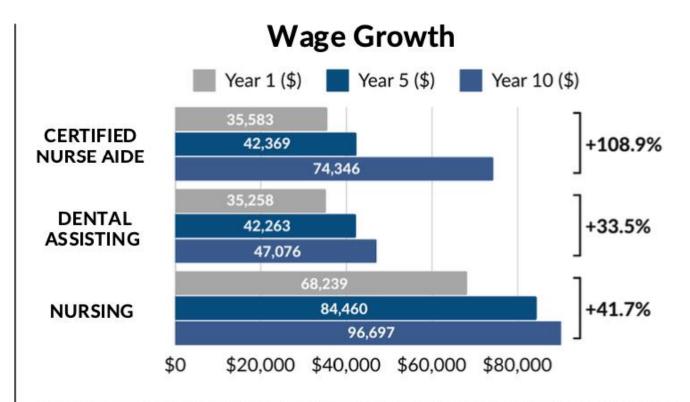
368 | 91.6%

**Dental Assisting** 

194 | 82.5%

Nursing

2,744 | 87.7%

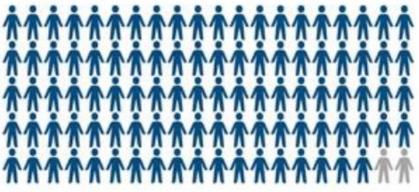


\*Note: Data reflects the actual employment and wage data of all graduates and is not limited to those employed in clinical health.

### **UA Programs Boost** Alaska's Hire Rate

97.5%

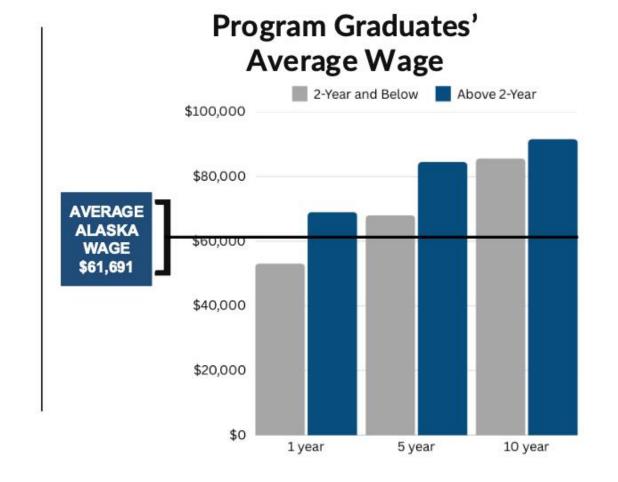
Of Working Graduates are Alaska Residents



For comparison, residency is...

77.5% for all Alaska Workers

85.8% for all Clinical Health Workers



# BEHAVIORAL HEALTH

**UA Workforce Report Highlights** 

1 UA Programs Support the Behavioral Health Industry

7,656 Clinical and Behavioral Health Graduates since 2013



### Graduates from Key UA Behavioral Health Programs

# Working in Alaska within One Year of Graduating

Total Graduates | % Working in Alaska

**Human Services** 

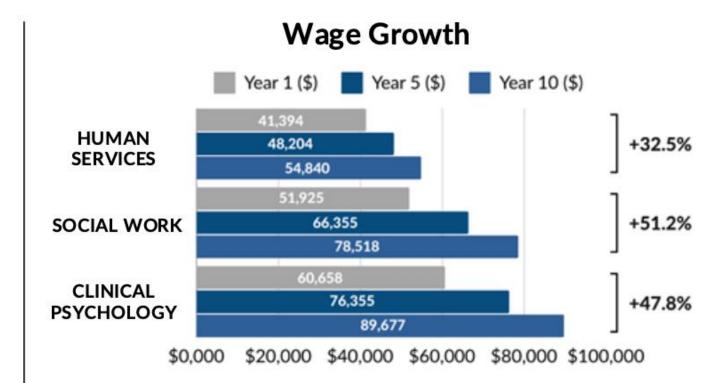
657 | 81.3%

Social Work

702 | 77.6%

**Clinical Psychology** 

191 | 79.1%



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

# UA Programs Boost Alaska's Hire Rate

97.3%

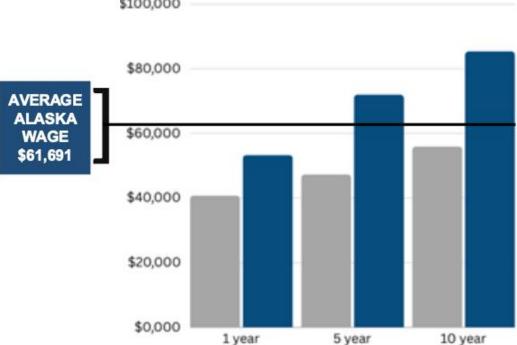


For comparison, residency is...

77.5% for all Alaska Workers

88.9% for all Behavioral Health Workers

# Program Graduates' Average Wage 2-Year and Below Above 2-Year \$100,000



# CONSTRUCTION

**UA Workforce Report Highlights** 

46 UA Programs Support the Construction Industry

3.728 Graduates since 2013

### **Graduates from Key UA Programs**

### Working in Alaska Within One Year of Graduating

(Total Graduates | % Working in Alaska)

CARPENTRY

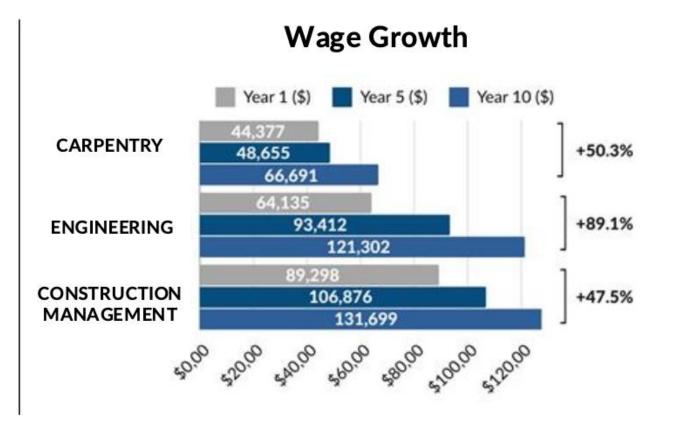
349 | 80.5%

**ENGINEERING** 

1,715 | 72.2%

CONSTRUCTION

395 | 75.2%

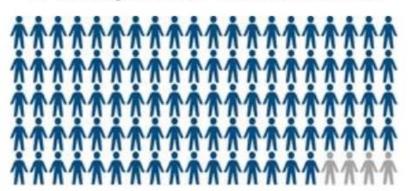


Note: Data reflects the actual employment and wage data of all graduates, and is not limited to those employed in construction.

### **UA Programs Boost** Alaska's Hire Rate

95.6%

Of Working Graduates are Alaska Residents



For comparison, residency is...

77.5% for all Alaska Workers

79.1% for all Construction Workers

# Program Graduates' Average Wage





I tell anyone who comes and talks to me about a career path in construction, that if they have a passion for creating, for helping, for building the economy, building opportunity — this is a place for them.

I think that the university is such a valuable partner.

Meg Nordale, President, GHEMM Company



Scan the QR code to watch the video

# MINING

**UA Workforce Report Highlights** 

40 UA Programs Support the Mining Industry

2,903 Graduates since 2013

### **Graduates from Key UA Programs**

### Working in Alaska within One Year of Graduating

(Total Graduates | % Working in Alaska)

MINING OPERATIONS

103 | 89.3%

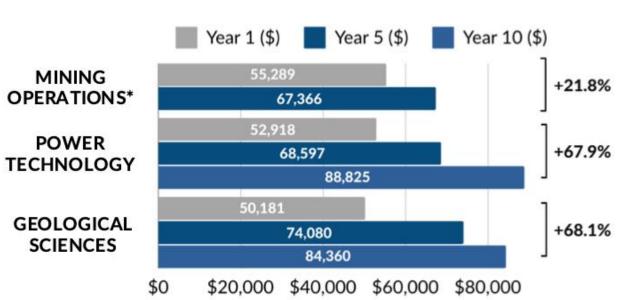
**POWER TECHNOLOGY** 

450 | 89.1%

**GEOLOGICAL SCIENCES** 

351 | 65.0%





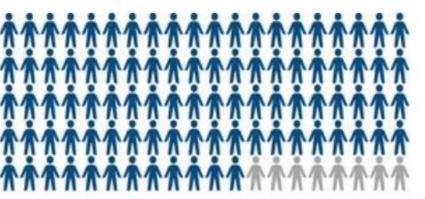
<sup>\*</sup> Year 10 wage growth not available. See page 5 for more information.

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

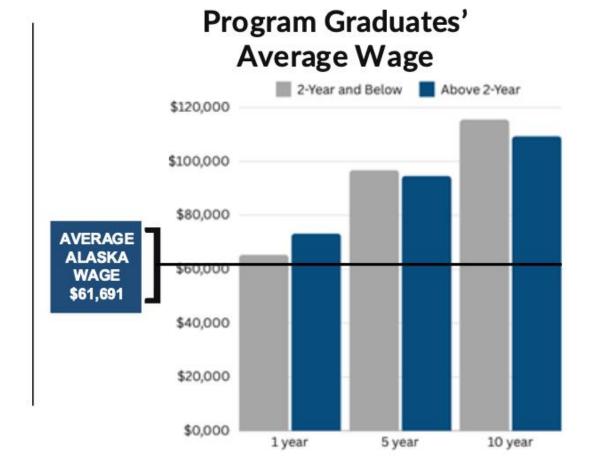
### **UA Programs Boost** Alaska's Hire Rate

93.6%

Of Working Graduates are Alaska Residents



For comparison, residency is... 77.5% for all Alaska Workers 58.4% for all Mining Workers



# OIL AND GAS

**UA Workforce Report Highlights** 

**UA Programs Support the** Oil and Gas Industry

Graduates since 2013

### **Graduates from Key UA Programs**

### Working in Alaska within One Year of Graduating

(Total Graduates | % Working in Alaska)

WELDING

384 | 82.3%

PROCESS TECHNOLOGY

732 | 86.6%

**ENGINEERING** 

1,387 | 66.7%

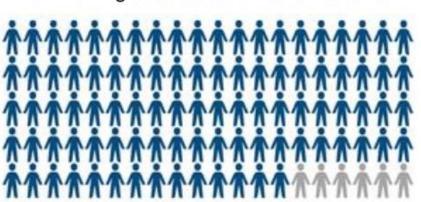


Note: Data reflects the actual employment and wage data of all graduates and is not limited to those employed in oil and gas.

### **UA Programs Boost** Alaska's Hire Rate

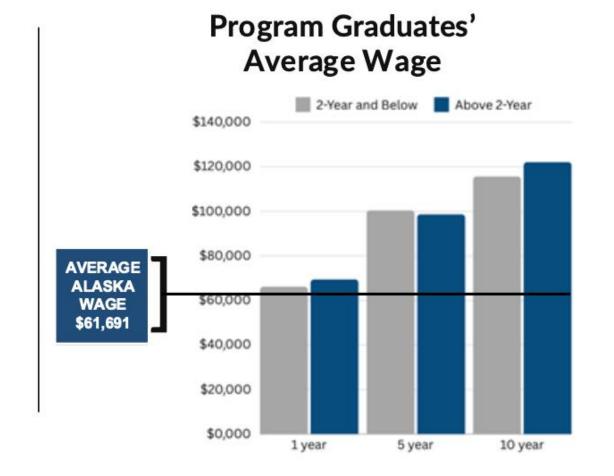
93.7%

Of Working Graduates are Alaska Residents



For comparison, residency is... 77.5% for all Alaska Workers

62.6% for all Oil and Gas Workers





## **TRANSPORTATION**

**UA Workforce Report Highlights** 

21 UA Programs Support the Transportation Industry

**1,293** Graduates since 2013

### **Graduates from Key UA Programs**

### Working in Alaska within One Year of Graduating

(Total Graduates | % Working in Alaska)

MARITIME TECHNOLOGY

40 | 72.5%

**AVIATION MAINTENANCE** 

361 | 77.6%

**AUTOMOTIVE & DIESEL MAINTENANCE** 

361 | 89.2%

### Wage Growth



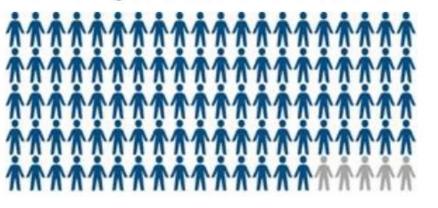
<sup>\*</sup>Year 10 wage growth not available. See page 5 for more information.

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

### UA Programs Boost Alaska's Hire Rate

94.9%

Of Working Graduates are Alaska Residents

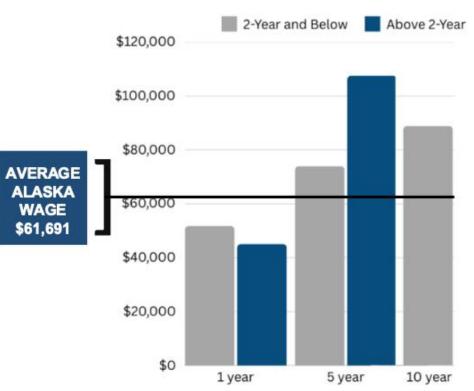


For comparison, residency is...

77.5% for all Alaska Workers

68.1% for all Transportation Workers

# Program Graduates' Average Wage\*



<sup>\* 10</sup> year wage growth is unavailable for above 2-year. See more information on page 5.

# FISHERIES AND MARINE SCIENCE

**UA Workforce Report Highlights** 

24 UA Programs Support the Fisheries and Marine Science Industry

**1,24** Graduates since 2013

### **Graduates from Key UA Programs**

# Working in Alaska within One Year of Graduating

Total Graduates | % Working in Alaska

**FISHERIES MANAGEMENT** 

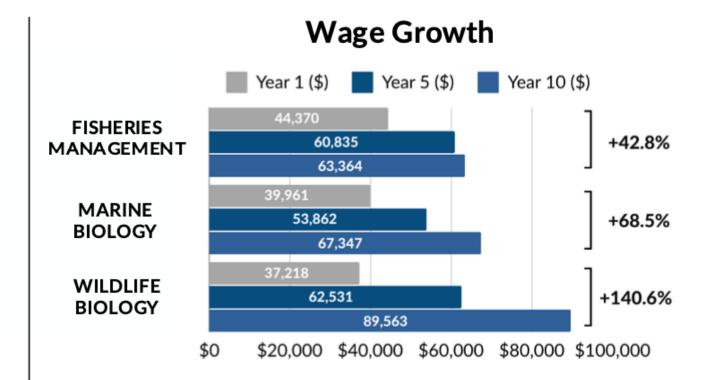
349 | 65.0%

**MARINE BIOLOGY** 

168 | 60.7%

WILDLIFE BIOLOGY

539 | 75.5%

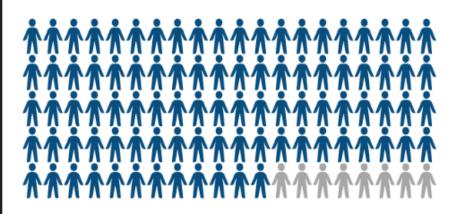


Note: Data reflects the actual employment and wage data of all graduates and is not limited to those employed in fisheries and marine science.

# **UA Programs Boost Alaska's Hire Rate**

93.2%

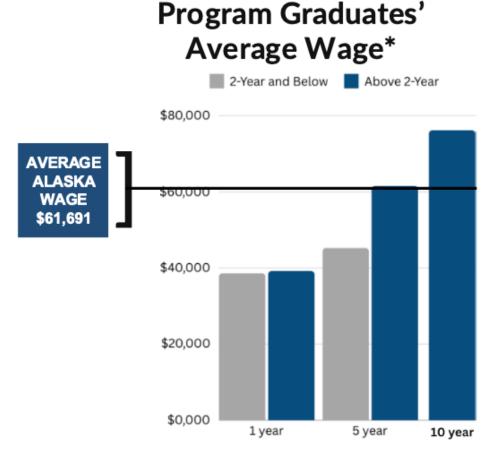
Of Working Graduates are Alaska Residents



For comparison, residency is...

77.5% for all Alaska Workers

43.3% for all Fisheries & Marine Science Workers



\* 10 year wage growth is unavailable for 2-year and below. See more information on page 5

# INFORMATION COMMUNICATION TECHNOLOGY

**UA Workforce Report Highlights** 

23 UA Programs Support the Information Communication Technology Industry

**2.033** Graduates since 2013

### **Graduates from Key UA Programs**

# Working in Alaska within One Year of Graduating

Total Graduates | % Working in Alaska

COMPUTER NETWORKING & TELECOMMUNICATIONS TECHNOLOGY

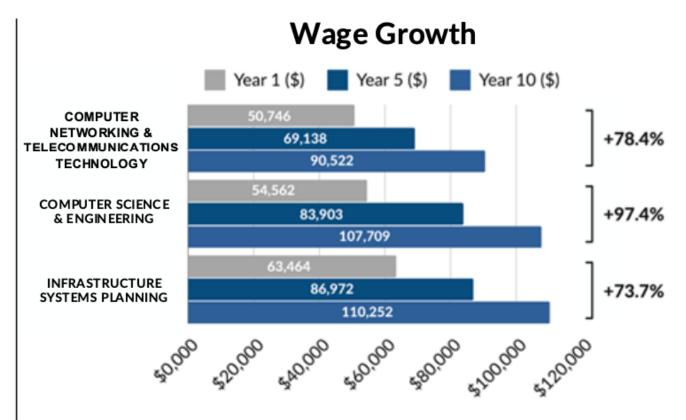
487 | 78.4%

**COMPUTER SCIENCE & ENGINEERING** 

775 | 71.6%

INFRASTRUCTURE SYSTEMS PLANNING

751 | 79.2%

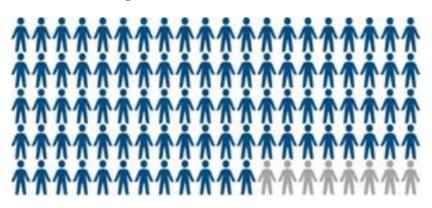


Note: Data reflects the actual employment and wage data of all graduates and is not limited to those employed in information communications technology related industries.

# **UA Programs Boost Alaska's Hire Rate**

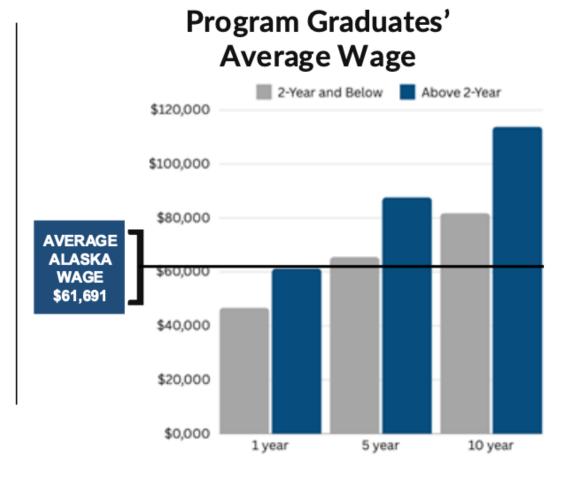
95.2%

Of Working Graduates are Alaska Residents



For comparison, residency is...

77.5% for all Alaska Workers
80.0% for all Information Communications
Technology Workers



# ADMINISTRATION AND FINANCE

**UA Workforce Report Highlights** 

41 UA Programs Support the Administration and Finance Industry

5.908 Graduates since 2013

### **Graduates from Key UA Programs**

# Working in Alaska within One Year of Graduating

(Total Graduates | % Working in Alaska)

**ACCOUNTING** 

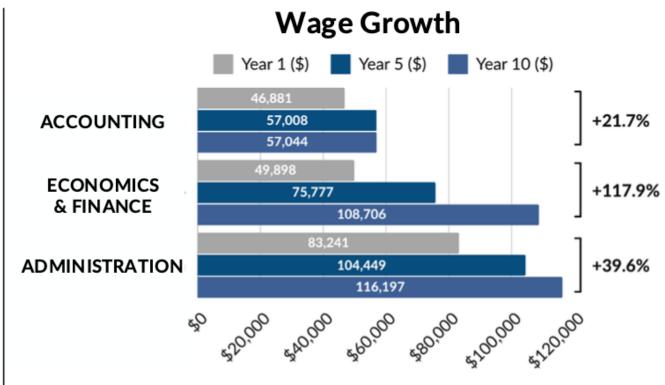
579 | 77.4%

**ECONOMICS & FINANCE** 

388 | 75.3%

**ADMINISTRATION** 

1,295 | 71.4%

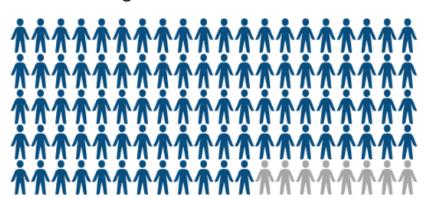


Note: Data reflects the actual employment and wage data of all graduates and is not limited to those employed in

### **UA Programs Boost Alaska's Hire Rate**

96.8%

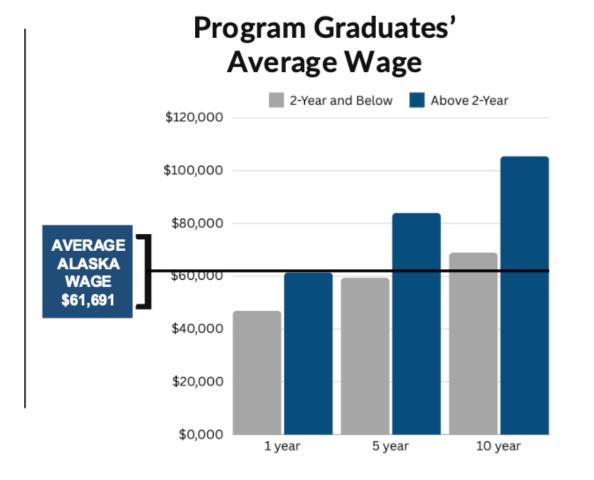
Of Working Graduates are Alaska Residents



For comparison, residency is...

77.5% for all Alaska Workers

88.3% for all Administration & Finance Workers



# HOSPITALITY AND TOURISM

**UA Workforce Report Highlights** 

UA Programs Support theHospitality and Tourism Industry

364 Graduates since 2013

### **Graduates from Key UA Programs**

# Working in Alaska within One Year of Graduating

Total Graduates | % Working in Alaska

**BAKING & PASTRY ARTS** 

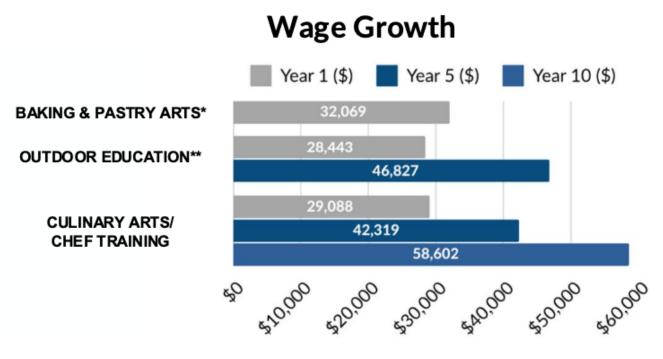
17 | 82.4%

**OUTDOOR EDUCATION** 

65 | 69.2%

**CULINARY ARTS** 

281 | 78.6%



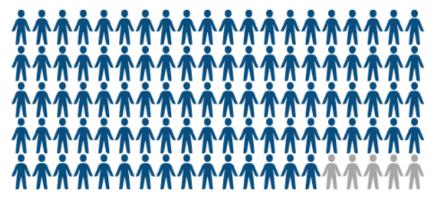
<sup>\*</sup> Year 5 and 10 wage growth not available. See page 5 for more information.

Note: Data reflects the actual employment and wage data of all graduates and is not limited to those employed in hospitality & tourism.

# **UA Programs Boost Alaska's Hire Rate**

94.1%

Of Working Graduates are Alaska Residents

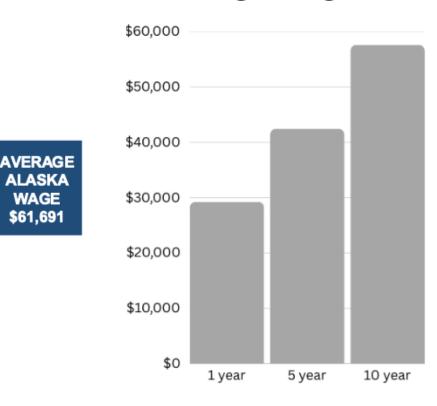


For comparison, residency is...

77.5% for all Alaska Workers

67.4% for all Hospitality & Tourism Workers

# Program Graduates' Average Wage



<sup>\*\*</sup> Year 10 wage growth not available. See page 5 for more information.

# LAW AND PUBLIC SAFETY

**UA Workforce Report Highlights** 

1 UA Programs Support the Law and Public Safety Industry

**2.21 7** Graduates since 2013

### **Graduates from Key UA Programs**

# Working in Alaska within One Year of Graduating

Total Graduates | % Working in Alaska

HOMELAND SECURITY

262 | 37.8%

LAW ENFORCEMENT

1,216 | 83.3%

**EMERGENCY SERVICES** 

542 | 80.3%



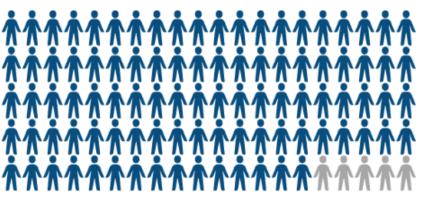
<sup>\*</sup>Year 10 wage growth not available. See page 5 for more information.

Note: Data reflects the actual employment and wage data of all graduates and is not limited to those employed in law & public safety.

# UA Programs Boost Alaska's Hire Rate

95.2%

Of Working Graduates are Alaska Residents

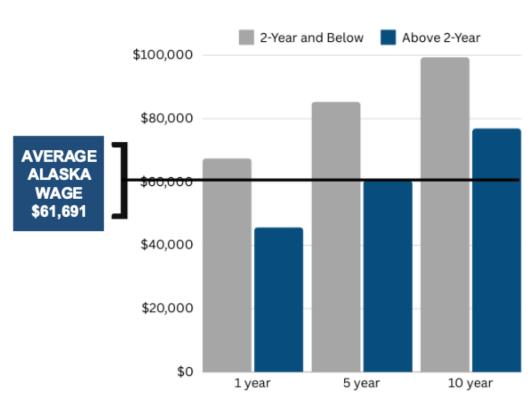


For comparison, residency is...

77.5% for all Alaska Workers

87.6% for all Law & Public Safety Workers

# Program Graduates' Average Wage





# Postsecondary Funding Opportunities



Preparing a qualified workforce is one of the most important missions of the university, and UA is committed to preparing today's students to be the next generation workforce and advance Alaska's economy.

### **Teri Cothren**

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