



University of Alaska

Joint Senate and House Education Committee

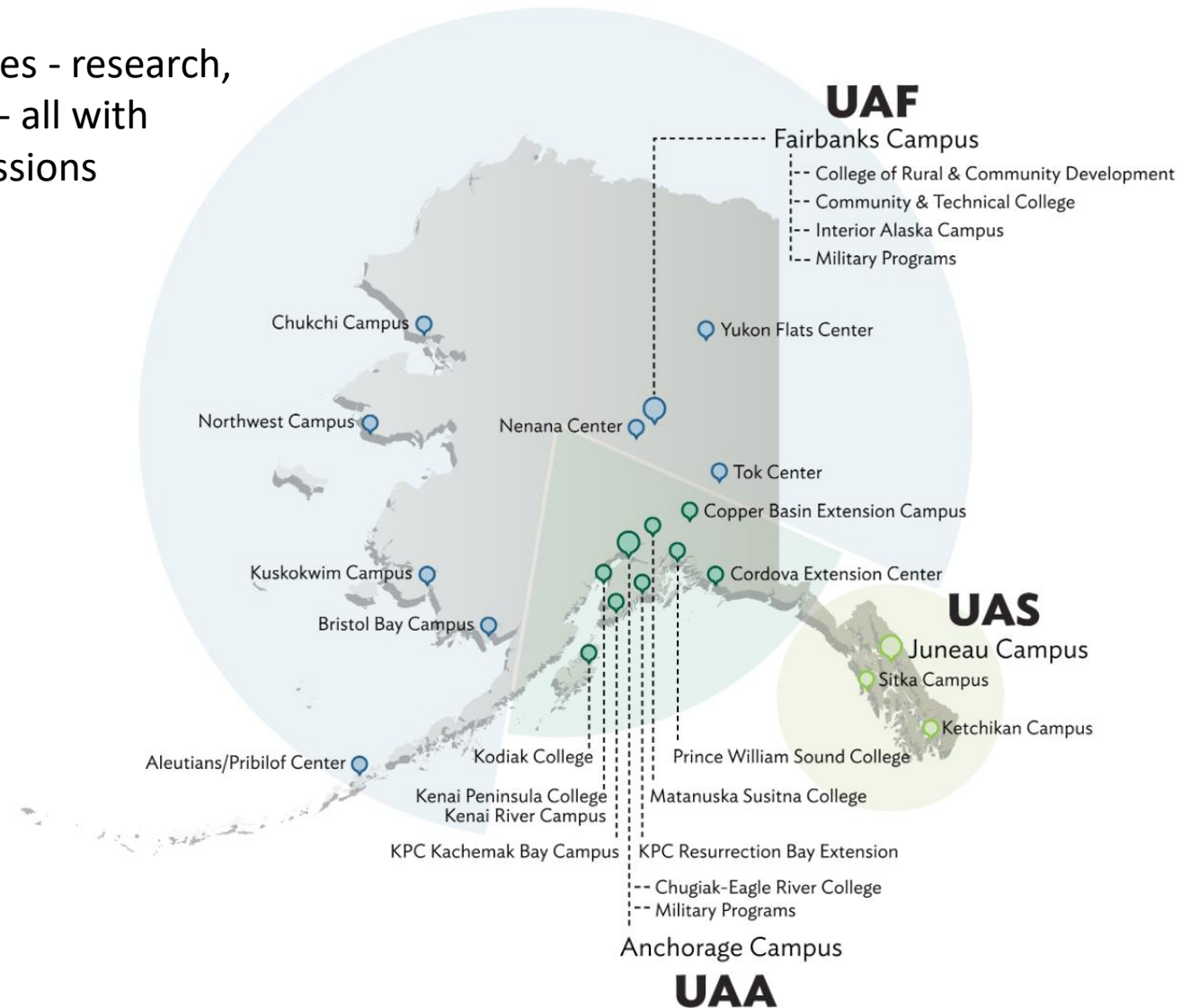
November 18, 2020



UNIVERSITY
of ALASKA
Many Traditions One Alaska

Alaska's System of Higher Education

Three unique universities - research, metropolitan, regional - all with Community College missions



Overview

- UA's COVID-19 protocols protect students and employees
- COVID-19 research, manufacturing and outreach is critical to the state
- Financial support was provided to students impacted by pandemic
- Enrollment and recruitment efforts aided in rebounding numbers
- UA programs are critical to AK's future
- We are addressing Alaska's needs and focusing on programs and the economic recovery of the state



Serving students during COVID-19

- Spring 2020: In mid-semester UA quickly shifted most courses to alternate delivery methods (online, audioconference or web-conference, etc.) rather than traditional classroom instruction
 - Exceptions made at the discretion of the chancellors for clinical, lab, and other hands-on courses where “social distance” and other personal safety measures can be assured
- Fall 2020: Continued emphasis on alternate delivery methods, but no change to the academic calendar
 - Reduced occupancy in dormitories/campus housing



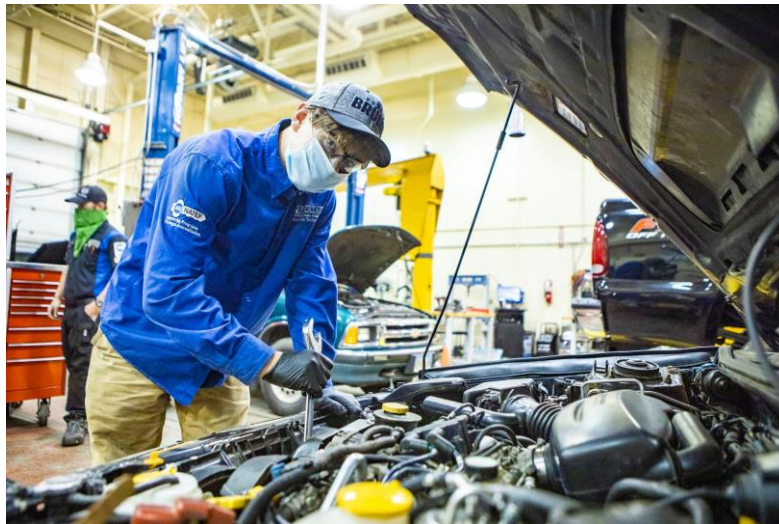
Distance delivered courses

- The three universities were able to quickly pivot to providing most courses online – in part because online learning has been an important part of the mission for more than 20 years
- Percentage of classes completely online for fall 2020:
 - UAA – 80% of student credit hours: 75% of sections online, up from 22% in 2019
 - UAF – 76% of student credit hours: 62% of sections online, up from 38% in 2019
 - UAS – 81% of student credit hours: 65% of sections online, up from 41% in 2019
- Training and support provided for faculty to assist with the transition to online teaching
 - More than 350 UAA faculty participated in intensive training designed to help them quickly but effectively shift face-to-face classes to either online “live” or fully online delivery
 - UAF eCampus developed the Hyflex model of delivery for UAF faculty to set up courses in ways that could be easily transitioned from in-person to remote



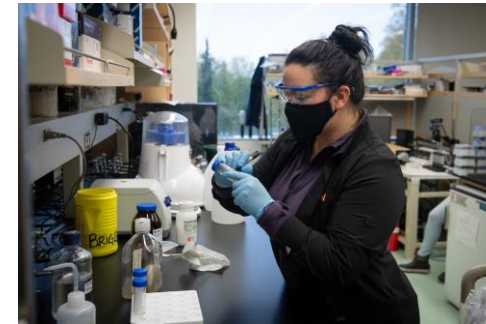
Innovative in-person courses

- Mandatory masks or face shields
- Reduced capacity for adequate spacing
- Extra sanitation and cleaning
- Extra lab sections to reduce occupancy



Serving Alaska during COVID-19

- UAA college of health contracted with the state of Alaska to train and employ 500 contact tracers
- UA experts in epidemiology, economic impacts and modeling, small business, and mental health assist state response
 - Dr. Tom Hennessy, infectious disease epidemiologist and faculty at UAA, has advised the state and university on pandemic response
 - Small business development center distributed millions of dollars of federal support and technical assistance to businesses in the region and state
- Manufacturing PPE (e.g. hand sanitizer, 3D printed face shields, ventilator parts, viral transport media) at all three universities
- UAF scientists provided personnel and equipment to the state virology lab in partnership to increase testing capacity
- School of nursing graduated and licensed 75 senior nursing students early in order to meet the increased demand
- UAA testing waste water to detect COVID



COVID Impacts

- Revenue impacts (Refunds, lost auxiliary revenue, cancellations, tuition loss, interest)
 - March to October - \$12,053,315
 - FY21 projected - \$16,020,000
- Expenses (COVID response, PPE, administrative and sick leave)
 - March to October – \$4,931,698



Funding for COVID-19

- Government Support Programs:
 - CARES Act - Institutional Portion \$ 3,942,388
 - Higher Education Emergency Relief Fund 2,626,299
 - CARES Act – via DHSS Coronavirus Relief Fund 2,921,479
 - CARES Act – via Fairbanks North Star Borough 1,000,000
 - Governor's Emergency Education Fund - UA 1,500,000
 - Governor's Emergency Education Fund - ANSEP 200,000
- Total Institutional Support \$ 12,190,166
- CARES Act - Student Support \$ 3,942,388
- UA also applied for assistance through FEMA
- UA is requesting \$17.3 M in state supplemental funding for COVID impact mitigation



Student support during COVID

- CARES funding distribution for students per University:
 - University Alaska Fairbanks \$1,033,326
 - University Alaska Anchorage \$2,722,592
 - University Alaska Southeast \$186,470
- Emergency relief funds for students impacted by COVID-19
- Increased mental health services and resources



Enrollment trends

- Enrollment was impacted by the COVID-19 pandemic, but not as severely as anticipated
 - Headcount down 9.8%
 - Early projections for fall were to be down 15-30%
- Community campus enrollment declined more than the main campuses in part due to high populations of non-traditional students and programs that require more face-to-face instruction

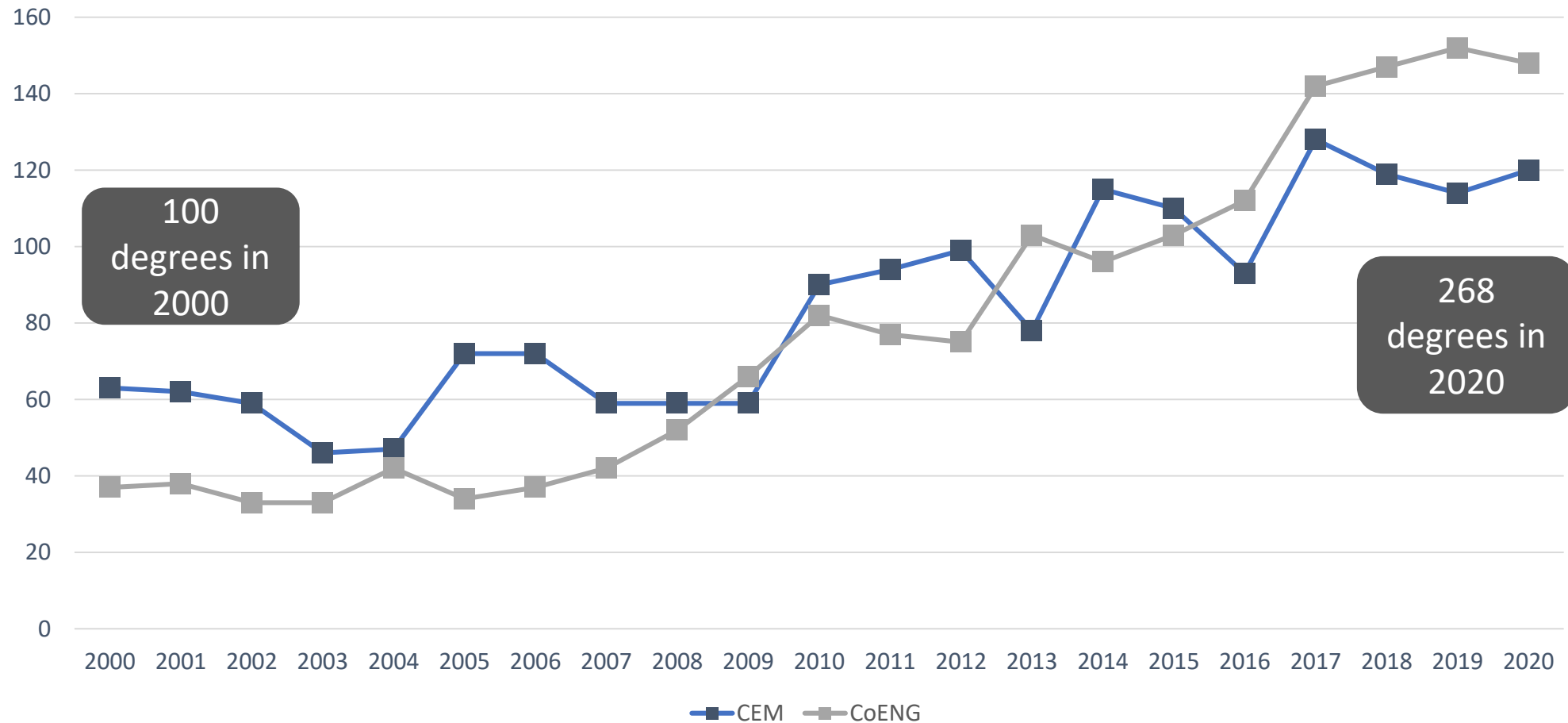


Enrollment Highlights

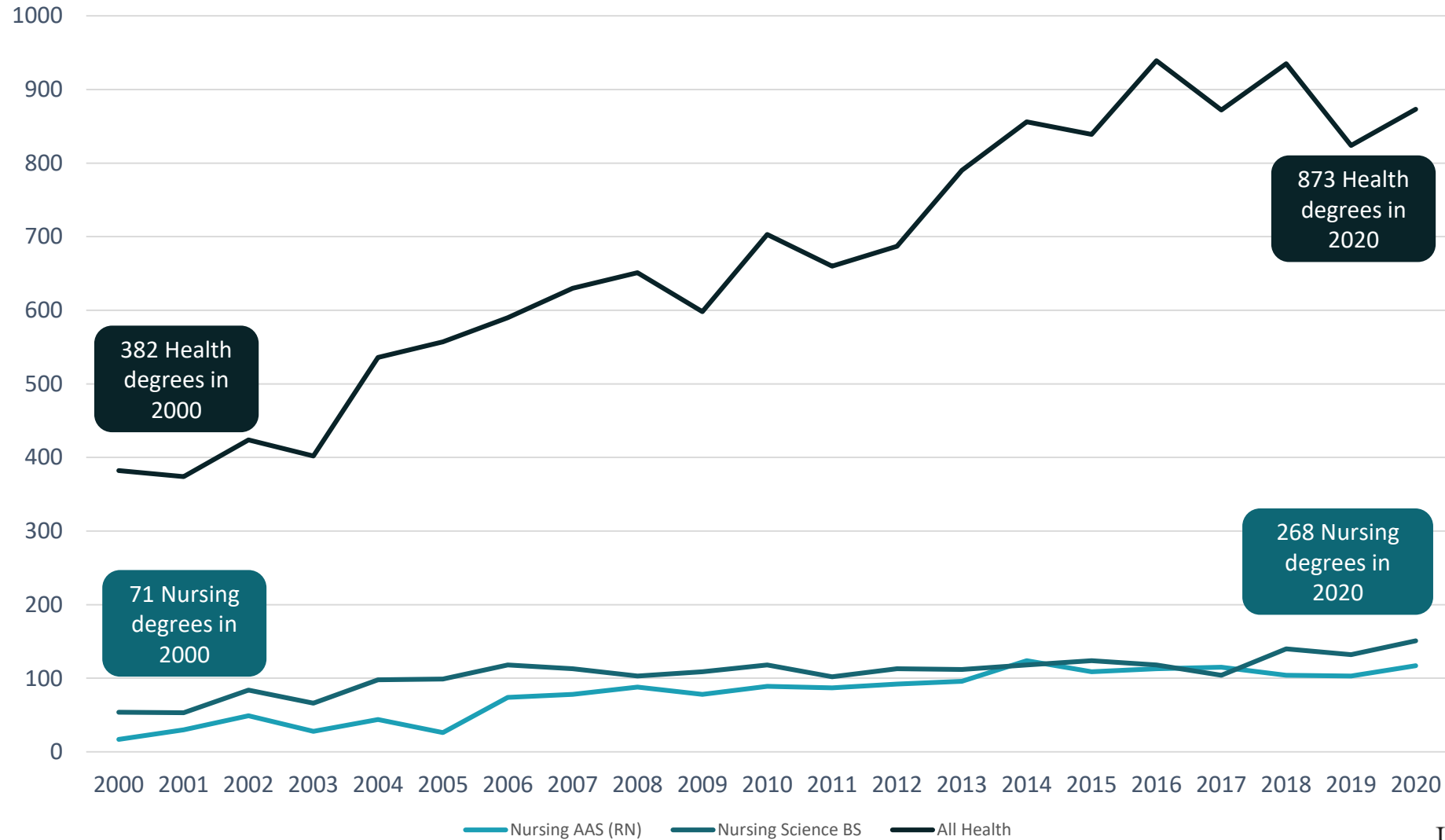
- Increased Fall 2020 enrollments in
 - UAF College of Fisheries and Ocean Science programs
 - UAF School of Management online programs
 - UAA College of Health
 - UAS Sitka and Ketchikan campuses
- Improved freshman retention rates over 2018-19 levels
- Spring 2020 applications and admissions increased 10 percent over 2019
- Long-term growth in Engineering and Health Care graduates to meet state need



Engineering Bachelor's Degrees awarded by UAF (CEM) and UAA (CoENG)



Nursing & Other Health Degrees Awarded



UA is key to Alaska's economic recovery

- UA is the state's largest provider of workforce development training
- Workforce development and skill retooling for the 40,000 Alaskans unemployed due to the pandemic
- Prepare workforce for new jobs in the post-COVID economy
- This is the perfect time for people to go back to school
- Higher education puts people back working in the economy
- The value of scientific research includes direct investment in local economies and improvements in community life
- Every 1 dollar of state support for research is leveraged to bring in 6 dollars of external funding



Workforce Sector Reports

THE OIL AND GAS INDUSTRY AND UA GRADUATES FAST FACTS

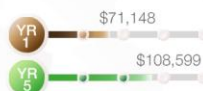
UNIVERSITY of ALASKA
Many Traditions One Alaska

The University of Alaska has identified 54 programs whose graduates are important to the oil and gas industry. Detailed below are their employment and wage outcomes, plus other information that can be used to assess UA programs and their usefulness to one of the state's key industries.

Graduates from key UA programs

ENGINEERING

67% working in AK within a year of graduating



52.6% wage growth

PROCESS TECH

89% working in AK within a year of graduating



78.3% wage growth

WELDING

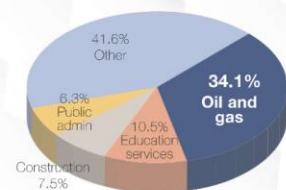
82% working in AK within a year of graduating



53.0% wage growth

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

The industries where first-year graduates work



Notes: Graduates of all 54 key UA programs. Oil and gas includes related sectors such as pipeline construction/transportation and engineering services.

Grads' wages above average



Note: For graduates of 54 key UA programs

The Oil and Gas Industry and UA Graduates: Fast Facts, September 2020 Page 1

THE OIL AND GAS INDUSTRY AND UA GRADUATES FAST FACTS

UNIVERSITY of ALASKA
Many Traditions One Alaska

Do these programs boost the Alaska hire rate?

93.5% of working graduates are Alaska residents



For comparison, residency is ...

- 79.3% for all Alaska workers
- 70.9% for oil and gas workers

Over the last 3 years, the oil and gas industry hired ...

485 Geological technicians* (includes process operators)

241 Engineers

231 Petroleum engineers

80 Occupational health and safety specialists

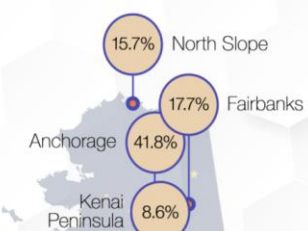
70 Mining/geological engineers

62 Environmental scientists

Note: These occupations have had the most hires in the past three years, among occupations that require postsecondary education. Hires include all hires, not just UA grads, to identify where demand is greatest.

*Geological technicians assist scientists and engineers with exploring and extracting natural resources such as oil and natural gas, and with identifying sustainable well locations.

Where do program grads work?



The Oil and Gas Industry and UA Graduates: Fast Facts, September 2020 Page 2

Enhanced recruitment & retention efforts

- Attract students no longer attending out-of-state due to COVID-19
- Attract students who need to upskill or retool
 - Creation of fast-track certificate programs (UAA)
- Attract adults with some college but no degree
- Increase scholarship funding
 - Nanook pledge (UAF)
 - 49th State Finishers (UAA)
 - Finish College Alaska (UAS)
- Increase dual-enrollment programs
- eCampus at UAF
- AlaskaX (edX online university consortium) at UAF



Partnerships expand opportunities

- Partnerships
 - Law – Wittier College
 - Veterinary Medicine – Colorado State University
 - Pharmacy – Idaho State University
 - Chemical engineering – Washington State University
 - WWAMI - University of Washington School of Medicine



Special focus on teacher education

- Critical need in the state – 200 vacancies in K-12 schools
- 251 emergency certificates issued – teaching with just a bachelor's degree
- High turn-over costs the state \$20 million annually (CAEP study)
- UA will be launching a new website and awareness campaign aimed at attracting more students to our education programs



Dual Enrollment/Middle College

Partnerships with K-12 districts across Alaska with a variety of dual enrollment options to meet student and district needs

On-Campus programs

- UAA Anchorage Middle College enrollments are currently 273, an 84.5% increase over the life of the program and a 10% increase from last fall
- UAA Mat-Su Middle College has 133 students currently enrolled
- The UAF Middle College with FNSBSD is new this fall and full at 40 students with a waitlist
- UAA ANSEP offers a Middle School Academy, High School Acceleration Academy, and Summer Bridge program for recent high school graduates
- UAA Kenai Peninsula College JumpStart Program offers juniors and seniors the opportunity to complete up to 30 credits or an associate degree at a discounted rate (program is subsidized by the Kenai Peninsula Borough); KPC has also just launched a middle college
- UAS Supporting Transitions and Educational Promise Southeast Alaska (STEPS) grant with the Alaska Association of School Boards



Dual Enrollment/Middle College

“Virtual” Middle College

- The UAF Alaska Advantage program, a "virtual" middle college, is partnered with more than 30 school districts and homeschool programs, serving more than 300 students this fall and providing access to dual enrollment programs across the state with an emphasis on districts that do not have access to local community campuses; UAS also participates

Other Programs

- UAA COH Alaska Area Health Education Centers (AHEC) provides healthcare career training to secondary students in rural and/or underserved settings
- UAF Educators Rising Alaska is creating a pathway that inspires young people to become teachers
- UAF Rural Alaska Honors Institute (RAHI) prepares rural and Alaska Native high school students for academic excellence and college success through a summer bridge program, providing up to 11 college credits



Reduced budget – reduced footprint

- At the end of the Compact in FY22, UA will be down \$120 million from FY14
- UA will have a smaller footprint, but that footprint will have a foundation of high-quality programs and research
- Program discontinuation
 - 40 academic programs discontinued in 2020
 - Programs selected through a comprehensive review at the university level
 - Programs will be discontinued only after students currently in those programs graduate or transfer
 - Estimated savings following teachout: ~\$5M in GF
- Facility and lease reductions
- Faculty and staff reductions

STABILITY FOR UA IS KEY TO ALASKA'S ECONOMIC RECOVERY

