

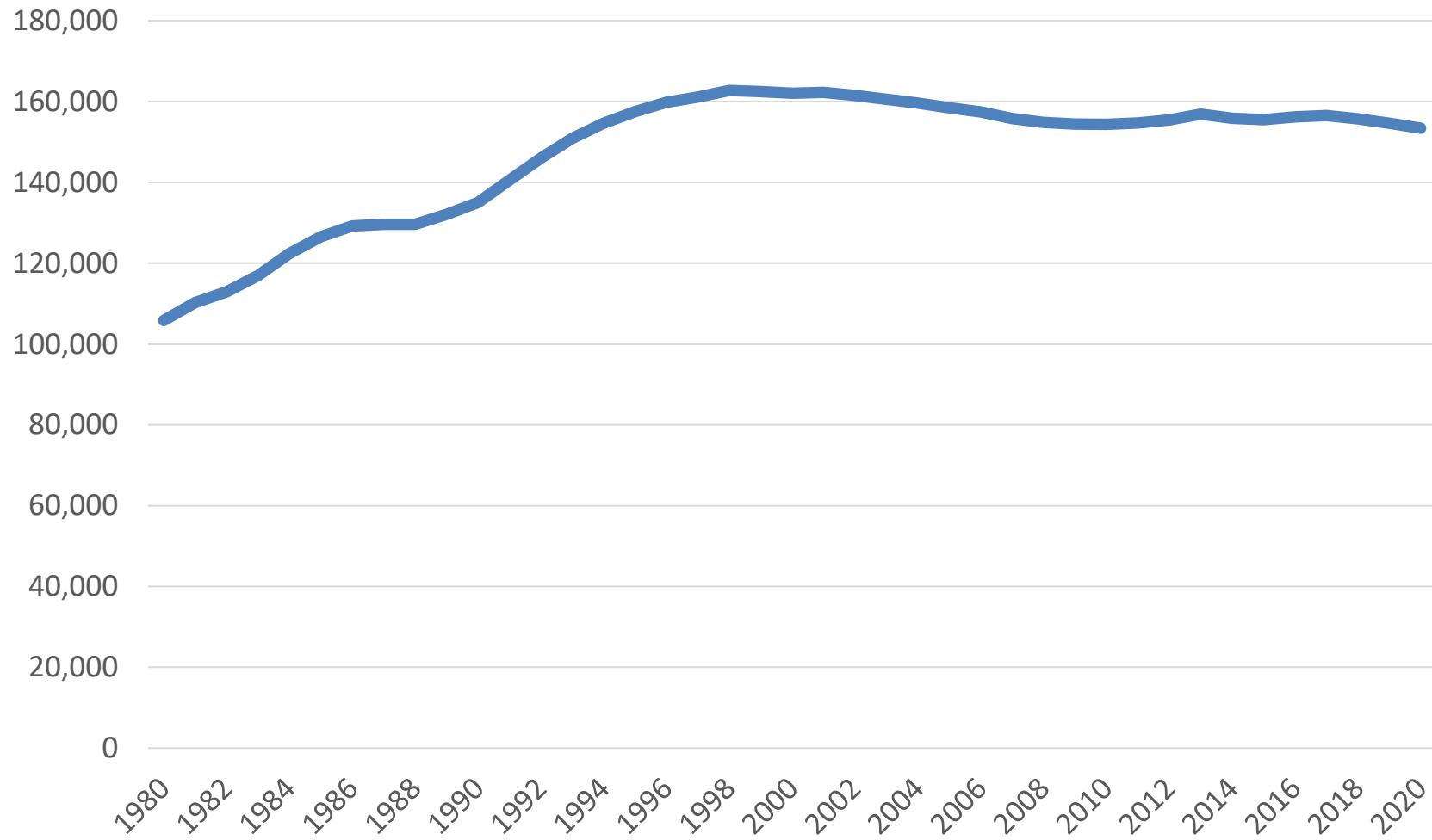


Trends in Alaska's School-Age Population, and Long-Term Occupational Projections

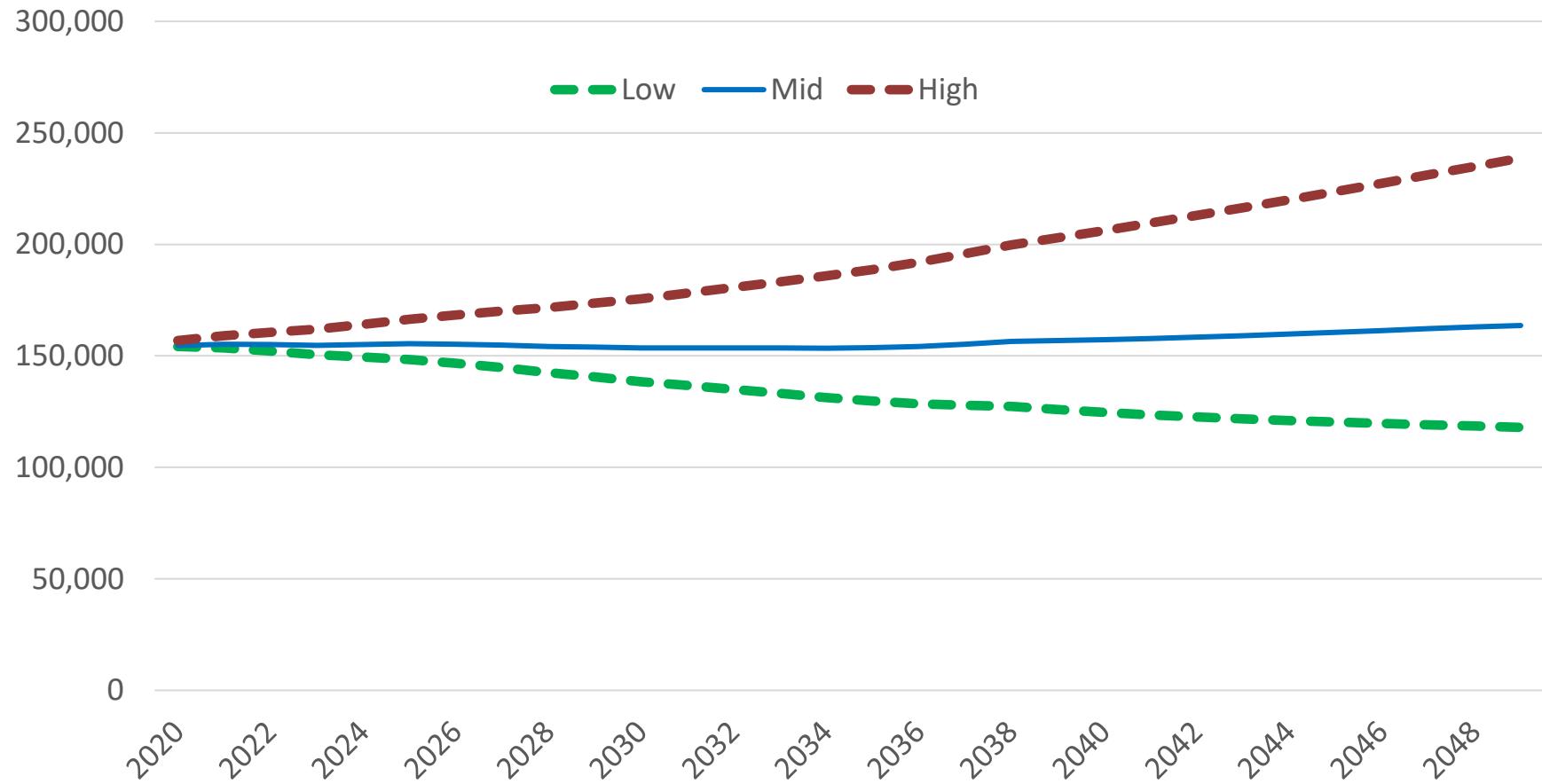
Senate Education
Committee
April 26, 2021

Dan Robinson, Research Chief
Alaska Department of Labor
and Workforce Development

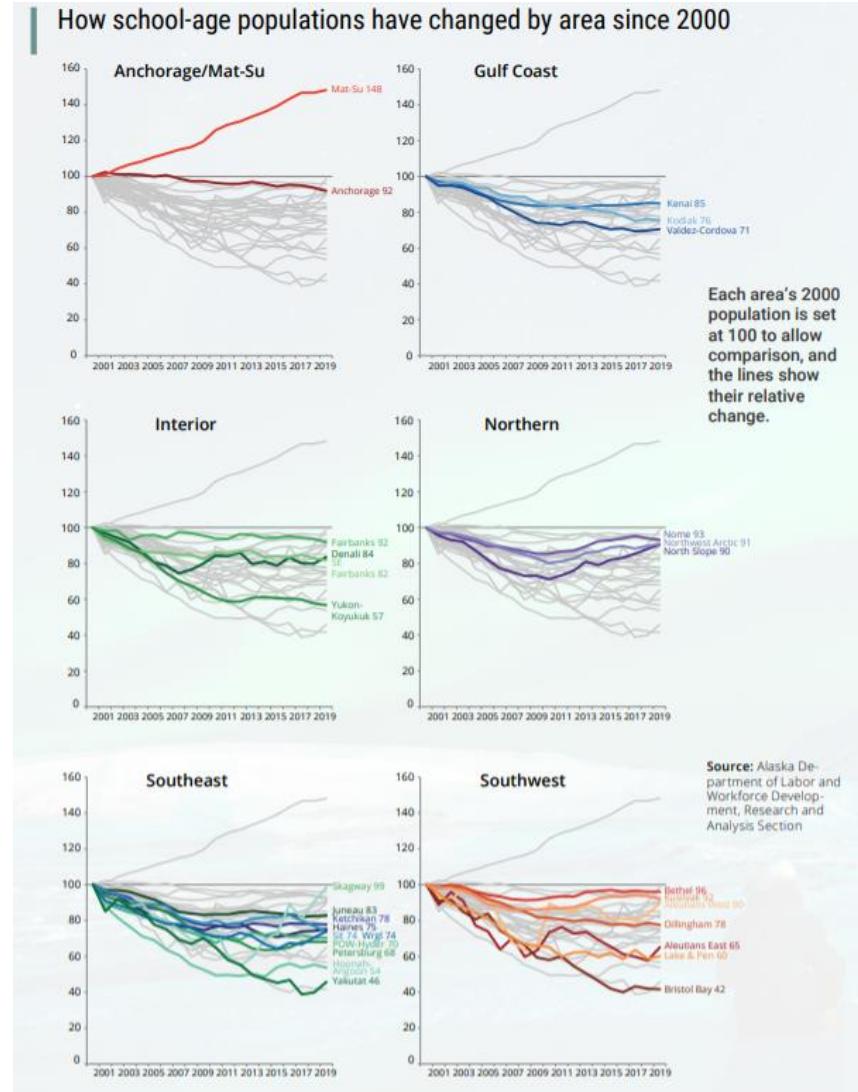
Alaska's school-age (4-18) population, 1980-2020



Projected school-age (4-18) population, 2020-49



A recent *Trends* article on the subject



Ten-year industry and occupational projections



10-year industry projections

5.5 percent employment growth for Alaska from 2018 to 2028

By PAUL MARTZ

Alaska entered another downturn this spring, brought on by the pandemic, just as the state had begun to emerge from a three-year recession. When we began these projections, governments across the country were mandating shutdowns intended to last weeks, not months, and Alaskans expected tourism would resume later in the summer. That didn't happen.

The short-term consequences of the pandemic will be significant, but it will take years to understand the long-term effects.

Which jobs will be especially good?

Alaska's top jobs, 2018 to 2028

	Employment			Average annual openings, 2018-28			Training* required	Wage** quartile
	2018	2028	Percent change	Growth	Separations	Total openings		
Master's degree								
Educational, Guidance, School, and Vocational Counselors	505	499	-1.2%	-1	51	50	None	\$\$\$
Bachelor's degree								
Chief Executives	1,704	1,830	7.4%	13	126	139	None	\$\$\$\$
General and Operations Managers	4,368	4,622	5.8%	25	390	415	None	\$\$\$\$
Sales Managers	808	846	4.7%	4	74	78	None	\$\$\$\$
Administrative Services Managers	1,234	1,300	5.4%	7	106	113	None	\$\$\$\$
Computer and Information Systems Managers	931	963	3.4%	3	74	77	None	\$\$\$\$
Financial Managers	1,146	1,188	3.7%	4	90	94	None	\$\$\$\$
Human Resources Managers	561	595	6.1%	3	49	52	None	\$\$\$\$
Construction Managers	993	1,089	9.7%	10	75	85	Moderate OJT	\$\$\$\$
Medical and Health Services Managers	962	1,036	7.7%	7	79	86	None	\$\$\$\$
Buyers and Purchasing Agents	690	705	2.2%	2	73	75	Moderate OJT	\$\$\$
Compliance Officers	730	731	0.1%	0	64	64	Moderate OJT	\$\$\$\$
Human Resources Specialists	625	659	5.4%	3	64	67	None	\$\$\$
Management Analysts	524	534	1.9%	1	49	50	None	\$\$\$\$
Accountants and Auditors	1,932	2,053	6.3%	12	185	197	None	\$\$\$\$
Computer Systems Analysts	570	626	9.8%	6	43	49	None	\$\$\$
Network and Computer Systems Administrators	752	785	4.4%	3	54	57	None	\$\$\$\$
Civil Engineers	999	1,077	7.8%	8	81	89	None	\$\$\$\$
Zoologists and Wildlife Biologists	920	927	0.8%	1	84	85	None	\$\$\$\$
Environmental Scientists and Specialists, Including Health	613	689	12.4%	8	70	78	None	\$\$\$\$
Substance Abuse, Behavioral Disorder, Mental Health Counselors	675	733	8.6%	6	72	78	None	\$\$\$
Elementary School Teachers, Except Special Education	2,283	2,264	-0.8%	-2	168	166	None	\$\$\$
Secondary School Teachers, Exc Special and Career/Tech Ed	1,695	1,680	-0.9%	-2	118	117	None	\$\$\$
Registered Nurses	5,856	6,260	6.9%	40	323	363	None	\$\$\$\$
Airline Pilots, Copilots, and Flight Engineers	2,083	2,163	3.8%	8	216	224	Moderate OJT	\$\$\$\$

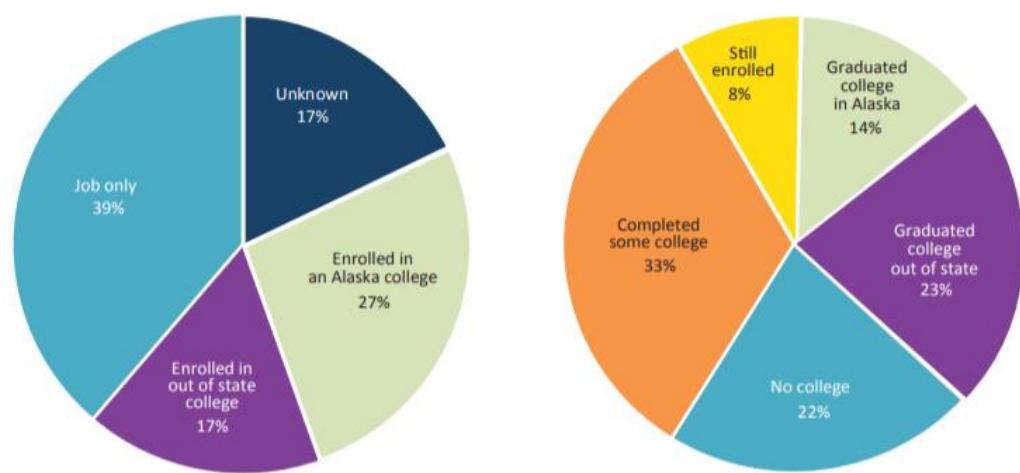
Which jobs will be especially good (cont.)?

	Employment			Average annual openings, 2018-28				
	2018	2028	Percent change	Sep- Growth		Total openings	Training* required	Wage** quartile
				ra- tions	Total			
Associate degree or postsecondary nondegree award or some college, no degree								
Civil Engineering Technicians	638	669	4.9%	3	64	67	None	\$\$\$
Dental Hygienists	670	733	9.4%	6	47	53	None	\$\$\$\$
Massage Therapists	518	560	8.1%	4	63	67	None	\$\$\$
Telecoms Equip Installers and Repairers, Except Line Installers	770	752	-2.3%	-2	84	82	Moderate OJT	\$\$\$
Aircraft Mechanics and Service Technicians	1,476	1,504	1.9%	3	122	125	None	\$\$\$
Captains, Mates, and Pilots of Water Vessels	642	681	6.1%	4	62	66	None	\$\$\$
High school diploma or equivalent								
Food Service Managers	595	660	10.9%	7	72	79	None	\$\$\$
Correctional Officers and Jailers	1,283	1,243	-3.1%	-4	111	107	Moderate OJT	\$\$\$
Police and Sheriff's Patrol Officers	1,283	1,242	-3.2%	-4	88	84	Moderate OJT	\$\$\$\$
First-Line Supervisors of Office and Administrative Support	2,062	2,151	4.3%	9	221	230	None	\$\$\$
Executive Secretaries and Executive Administrative Assistants	3,209	3,353	4.5%	14	367	381	None	\$\$\$
Supervisors of Construction and Extraction Workers	740	829	12.0%	9	81	90	None	\$\$\$\$
Carpenters	2,162	2,467	14.1%	31	239	270	Apprentice	\$\$\$
Operating Engineers, Other Construction Equipment Operators	2,788	2,951	5.9%	16	330	346	Moderate OJT	\$\$\$
Electricians	1,769	1,901	7.5%	13	212	225	Apprentice	\$\$\$
Plumbers, Pipefitters, and Steamfitters	1,307	1,411	8.0%	10	151	161	Apprentice	\$\$\$\$
First-Line Supervisors of Mechanics, Installers, and Repairers	672	720	7.1%	5	64	69	None	\$\$\$\$
Bus and Truck Mechanics and Diesel Engine Specialists	701	747	6.6%	5	67	72	Long OJT	\$\$\$
Mobile Heavy Equipment Mechanics, Except Engines	822	910	10.7%	9	86	95	Long OJT	\$\$\$
First-Line Supervisors of Production and Operating Workers	619	674	8.9%	6	67	73	None	\$\$\$
Welders, Cutters, Solderers, and Brazers	590	639	8.3%	5	68	73	Moderate OJT	\$\$\$
1st-Line Supervisors of Transp/Matl Movers, Exc Air Cargo	685	727	6.1%	4	75	79	None	\$\$\$
Commercial Pilots	932	939	0.8%	1	95	96	Moderate OJT	\$\$\$\$
Flight Attendants	463	458	-1.1%	-1	52	52	Moderate OJT	\$\$\$\$
No formal educational credential								
Service Unit Operators, Oil, Gas, and Mining	993	1,074	8.2%	8	146	154	Moderate OJT	\$\$\$

A few examples of how we work with DEED and UA

ALASKA GRADS ten years later

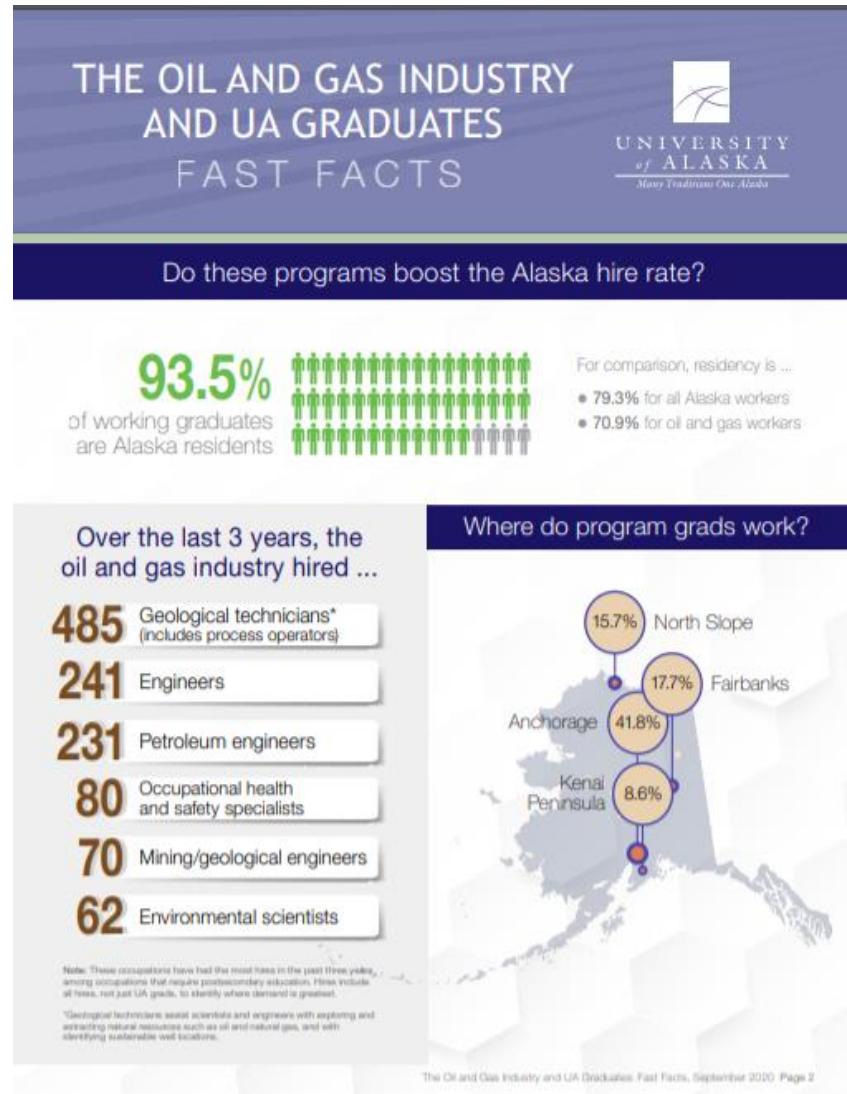
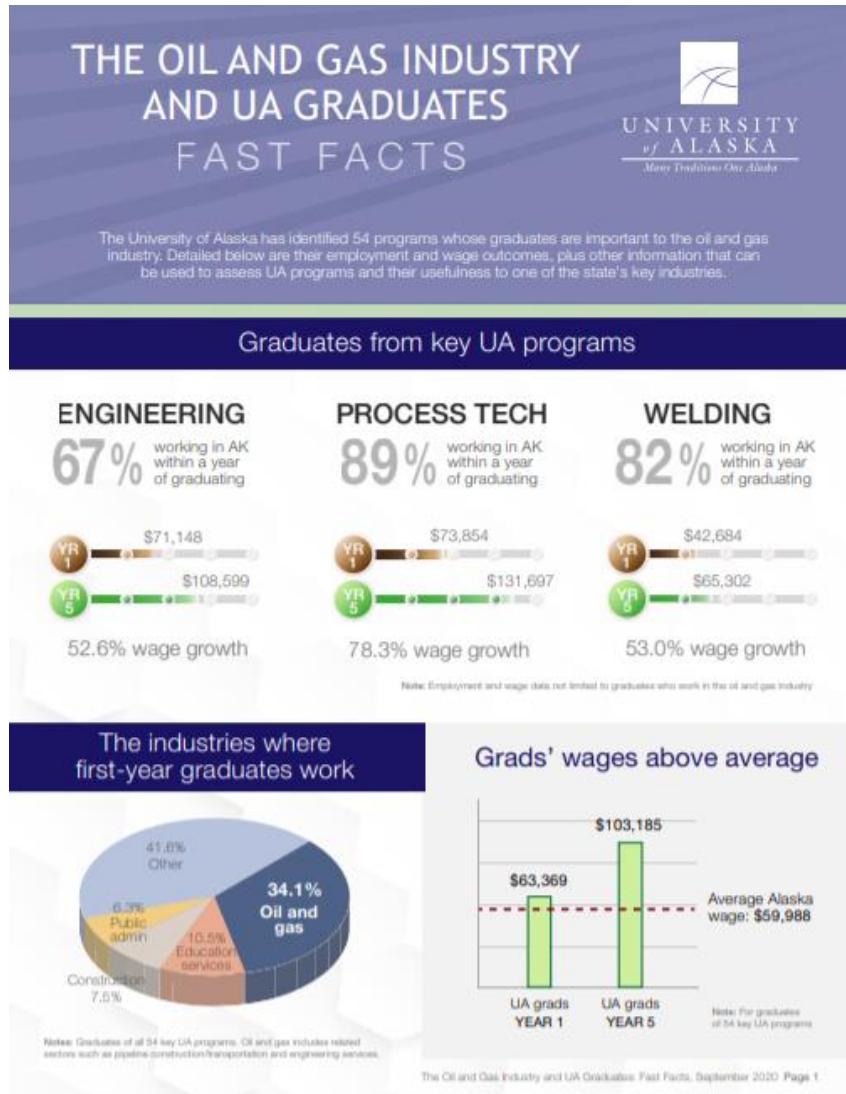
1 Where 2005 Graduates Started Out and Where They Are Now ALL ALASKA 2005 HIGH SCHOOL GRADUATES



Note: "Graduated college" includes associate degrees.

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

A few examples of how we work with DEED and UA



Questions or data requests:

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