



Laramie County Community College

Blurring the Lines



Considering Wyoming

- Wyoming
 - 10th largest state geographically
 - 50th state by population
 - 273,000 workers (2022)
 - 8% highest level post-secondary attainment is Associate's level
- Education Attainment Goal (2019)

"...increase the working population of adults who possess a valuable post-secondary degree or certificate to 60 percent by 2025 and 75 percent by 2040..."



Considering Wyoming's Students

- 29,000 college students (2022)
 - 8 independent community colleges
 - Associate's and Bachelor's degrees
 - Short-term certificates
 - Professional training and licensure
 - One 4-year (land grant) institution





- Southeast Wyoming, state's capital
- Neighbor to Colorado and Nebraska
- Residential and commuter
- Largest community college
 - 4,300 FTE
 - 80-program portfolio in 8 pathways
 - 370 full-time employees, \$77m





"Raising the educational attainment of individuals in LCCC's service area will be essential for the region's and the state's future economic and social prosperity. The BAS is a positive step forward and will provide a pathway to a bachelor's degree for many individuals who do not have access but want to further their education."



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<https://www.accbd.org/>



BAS @ LCCC

- Purpose
 - meet the specific needs of local industries
 - fill skill gaps in high-demand sectors
 - build upon vocational foundations and work experience
 - Associate of Applied Science
 - CTE disciplines
 - serve a place-bound student population
 - affordable access, tuition rates





BAS @ LCCC

- Design
 - Collaborative approach
 - Flexible, applied
 - Cohort model
 - Short-term courses to support full-time enrollment
 - Hybrid design
 - workplace-based capstones



BAS @ LCCC

- Students
 - Prior achievement
 - Place-bound
 - Incentivized and supported

"... students often seek this degree at the request, and with the financial support, of their employer. When relocation is necessary to make that happen, the deal is not attainable for either party."



> BAS graduates, LCCC

- 2022 | 4
 - 2023 | 14
 - 2024 | 24
 - 2025 | > 30
-
- Planning forward
 - Continued collaboration
 - Optimized-credit degrees (HLC)
 - Capitalizing on successful model





A PARTNERSHIP SPANNING HIGHER EDUCATION, INDUSTRY AND K12

LOGISTICS AND SUPPLY CHAIN MANAGEMENT IN YUMA ARIZONA



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NORTHERN ARIZONA UNIVERSITY ACADEMIC AND WORKFORCE ALLIANCES – EDUCATIONAL PARTNERSHIPS

- Workforce focus
- Adult learners served
- Statewide
- Programs held at places of business
- Credit or not for credit
- 10% tuition discount offered to partners on all online and statewide programs and all graduate programs



AN EDUCATIONAL PARTNERSHIP TO SUSTAIN THE YUMA ARIZONA WORKFORCE



LESSONS LEARNED – BEST PRACTICES

- Align with industry needs of the area.
- Focus on employer needed skills.
- Partner with internal units with complimentary strengths.
- Pay attention to details.
- Expect the unexpected – be flexible.
- Plan on ongoing support.



YUMA, ARIZONA

AGRICULTURE, MANUFACTURING, DEFENSE, TOURISM, RETAIL

YUMA, AZ

- **Takeaways**

- As of 2024 the region's population **declined by 0.0%** since 2019, falling by 26. Population is expected to **increase by 2.3%** between 2024 and 2029, adding 4,828.
- From 2019 to 2024, jobs **increased by 4.3%** in Yuma, AZ from 80,047 to **83,478**. This change **outpaced the national growth rate of 3.9% by 0.4%**. As the number of jobs increased, the **labor force participation rate decreased from 61.9% to 61.5% between 2019 and 2024**.
- Concerning educational attainment, **11.1% of Yuma, AZ residents possess a Bachelor's Degree** (10.4% below the national average), and **8.9% hold an Associate's Degree** (the same as the national average).
- The top three industries in 2024 are Support Activities for Crop Production, Education and Hospitals (Local Government), and Restaurants and Other Eating Places.

- Lightcast.io

214,156

Population (2024)

Population decreased by 26 over the last 5 years but is projected to grow by 4,828 over the next 5 years.

83,478

Total Regional Employment

Jobs grew by 3,431 over the last 5 years and are projected to grow by 4,418 over the next 5 years.

\$56.4K

Median Household Income (2022)

Median household income is \$18.7K below the national median household income of \$75.1K.

LOGISTICS AND SUPPLY CHAIN MANAGEMENT

- Analyze and coordinate an organization's supply chain
- Nationally 19% job growth 2023-2033, 47% in Arizona 2020-2030
 - Much higher than the national average of 9%
- Existing academic certificate program at NAU – 18 credits

PARTNERSHIP DEVELOPMENT

- Started with faculty and administrators at NAU Yuma
- Met with administrators at NAU Flagstaff
- Worked with Southwest Technical Education District of Yuma
 - IGA
 - Adapted pricing for high school students
 - Adapted course rotation
- Added industry partners

TESTIMONIAL

- Eddie Shepherd, Onvida Health, Yuma, AZ



LOGISTICS AND GOING FORWARD

- Recruiting
- Site
- Publicity
- Billing
- Ongoing communication with partners
- Ongoing support of students



QUESTIONS?



WICHE ASD UAA

April 24, 2025



AoA
Specialist



United Way of Anchorage



Asst. Vice
Provost



Career Expo
Sponsorship



**Strategic
Partners**

Work-Based
Learning
Opportunities

Advisory
Boards



Industry
Councils

Curriculum &
Industry
Credential
Advisement

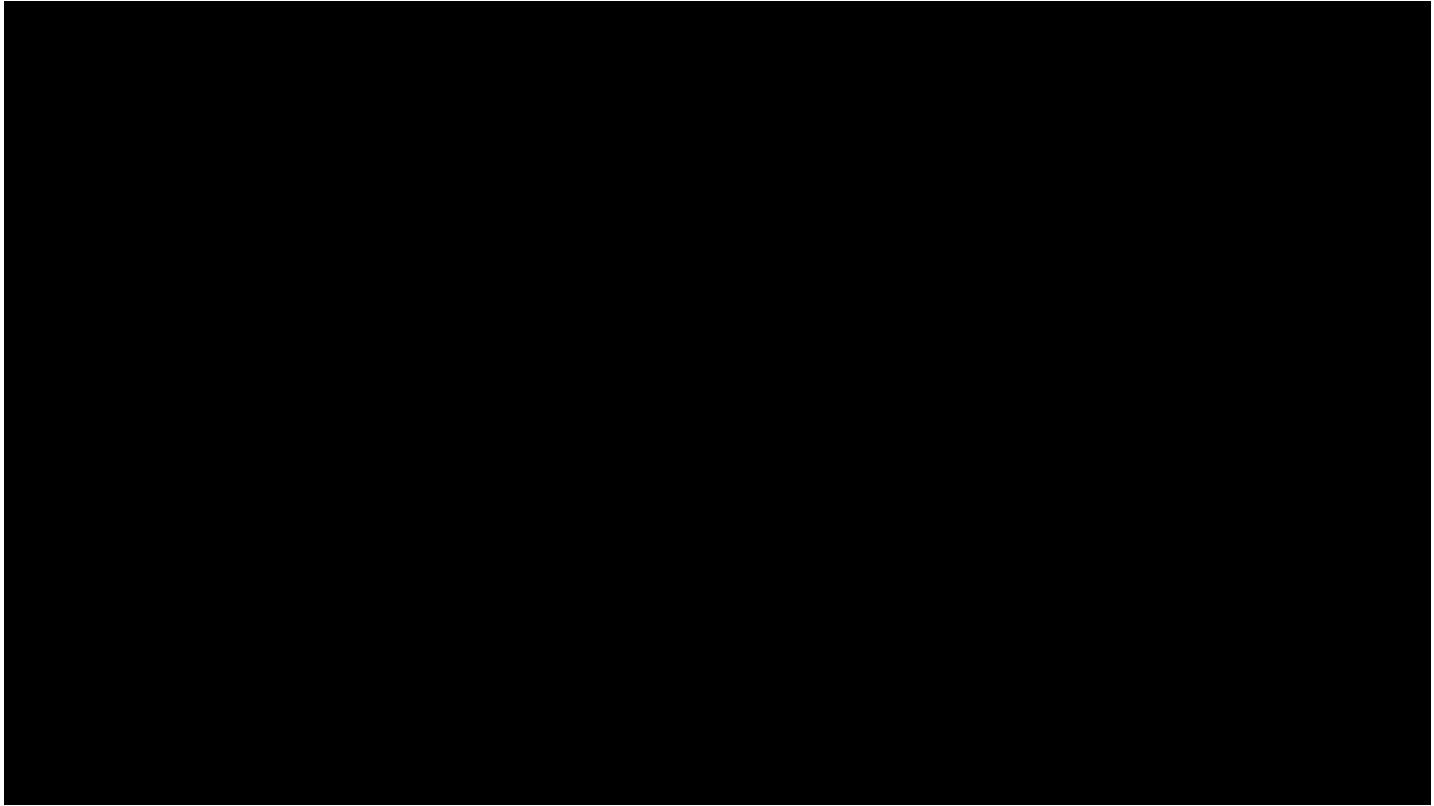
Community
Input



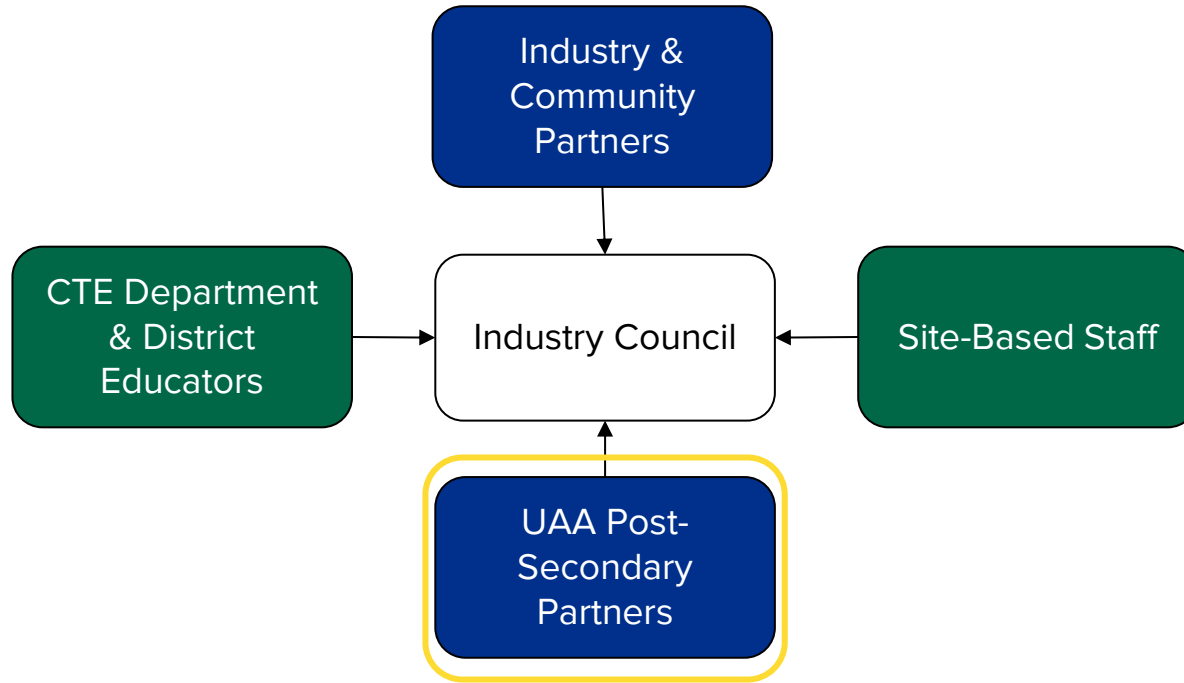
UAA Representation on Academies of Anchorage Work

- Key Strategic Partner
 - along with UWA, AEDC, Anchorage Chamber & MOA
- Steering Committee Representation - Denise Runge, Provost
- Tactic Team Participation
 - Kelly Smith, Asst. Vice Provost for CTE, Prior Learning, Dual Enrollment & Continuing Studies
 - Tactic Team Representation: Credit & Credentials, Work-Based Learning, Career-Focused Academics

ASD visit the University of Alaska Anchorage



Industry Council and Advisory Board Work



UAA Industry Council Participation Examples

Business Pathway

Healthcare & Human Services Pathways

ASD Advisory Board Participation Examples

UAA College of Engineering

UAA Computer Science & Engineering Department

Alaska Middle College School

- ASD students can enter as a junior or senior
- Concurrent enrollment program (UAA and ASD)
- Students take 1-4 college courses per semester based on placement, testing, GPA and personal commitments
- Typical courses include: WRTG A111, MATH 105 or 151, HIST 131
- Certificate Tracks Include:
 - Certified Nursing Aide (CNA)
 - Medical Office Coding



ASD
Comprehensive
High Schools

Alternative &
Charter Schools

Alaska Native
Science and
Engineering
Program (ANSEP)

Homeschool

Application Requirements

- ✓ Rising high school junior or senior
- ✓ Complete AMCS application
- ✓ 2.5+ GPA
- ✓ Score 30+ on ALEKS or 530+ on Accuplacer for math or writing
- ✓ On track to graduate

Alaska Middle College: Points of Entry



AMCS
ALASKA MIDDLE COLLEGE SCHOOL



UNIVERSITY of
ALASKA ANCHORAGE™

Other Credit Options & Agreements

Articulated Credit Examples

- H8409: Automotive Maintenance > ADT A103 Introduction to Automotive Technology (3 credits)
- H8541: IT Service and Support 1 > CNT A162 PC Architecture and Building (3 credits)
- H8950: Emergency Trauma Technology > EMT A110 Emergency Trauma Technician (3 credits)

UAA & ASD Project Lead the Way Engineering Agreement Examples

- H8116 PLTW Principles of Engineering + Pre-Calculus > ENGR 151 Engineering Practices (3 credits)
- H8110 PLTW Introduction to Engineering Design + H8114 PLTW Computer Integrated Manufacturing > ES 103 Engineering Graphics (3 credits)

Credits posted to UAA transcript upon student request with a small fee



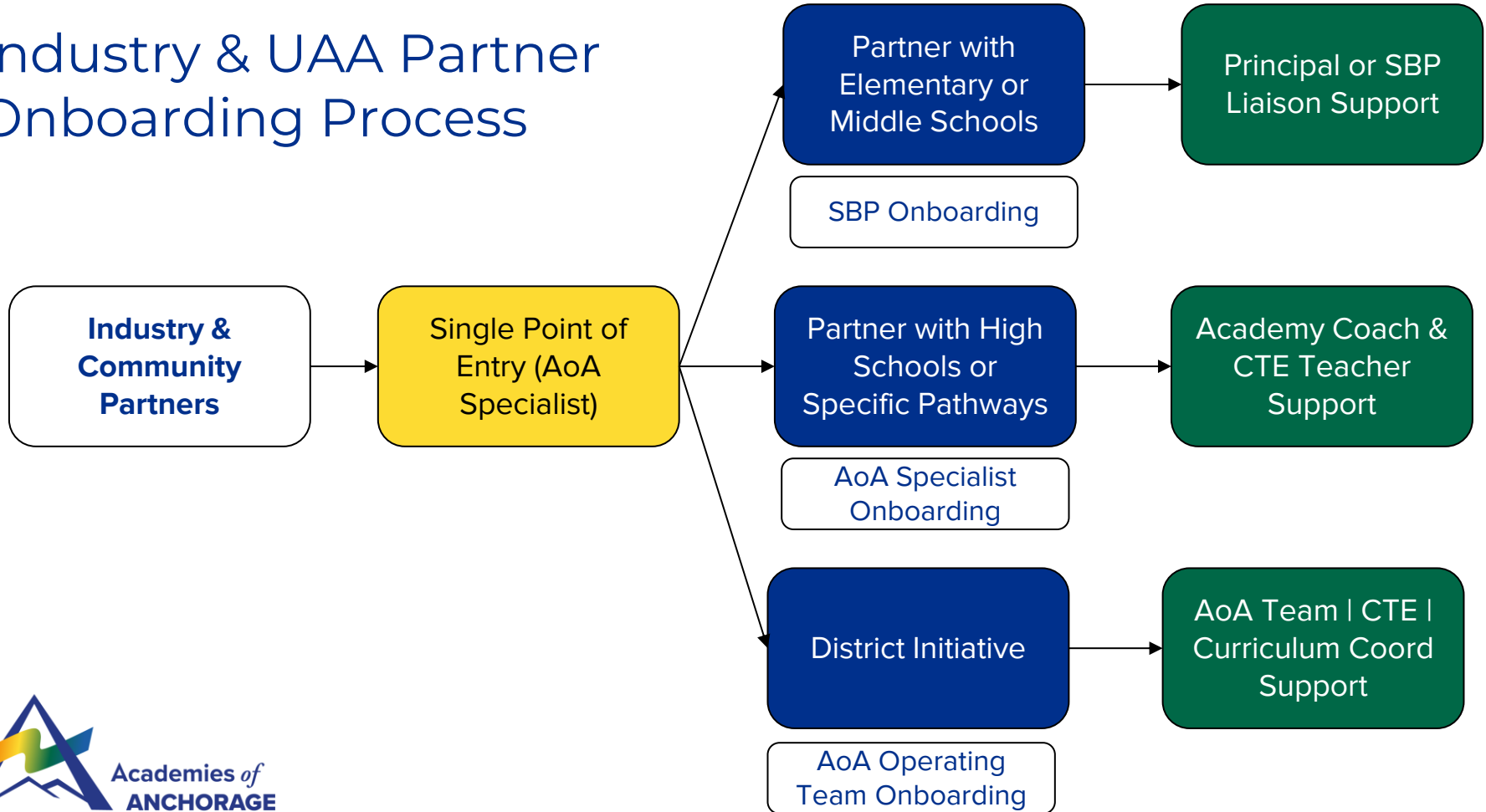
Other Credit Options & Agreements

New Dual Enrollment opportunities

- UAA and ASD have a three year memorandum of agreement to help current ASD teachers be ready to teach 100 level English and History courses at ASD high schools.
 - UAA has reduced tuition by 50%
 - Teachers with education masters degrees taking 600-level courses in the content area
 - Approx. 20 teachers in the first two cohorts



Industry & UAA Partner Onboarding Process



UAA and KTHS Aviation Maintenance Program



- Four semester; two-year program
- ASD Program is housed at UAA Aviation Complex near adjacent to Merrill Field
- Dual credit program (12-14 credits)
- Students can matriculate into UAA A&P certification program and finish early

Current and Potential Points of Collaboration



ASD CTE Pathway Growth Plans 2025-2026



Bartlett HS	Bettye Davis East HS	Chugiak HS	Dimond HS	Eagle River HS	Service HS	South HS	West HS
Health Science	<i>Health Science</i>	Health Science	Computer Science & IT	<i>Health Science</i>	<i>Health Science</i>	Multimedia, Marketing & Design	Health Science
Leadership & Education	<i>Multimedia, Marketing & Design</i>	Hospitality (Culinary)	Engineering	Engineering	Hospitality (Culinary)		<i>Engineering & Engineering Tech</i>
Construction Tech	<i>Construction Tech</i>	<i>Construction Tech (GIC)</i>	<i>Natural Resources & Environmental Management</i>	<i>Business</i>	<i>Construction Tech</i>	<i>Mechatronics I</i>	
	<i>Business</i>	<i>Business</i>	<i>Health Science</i>		Computer Science & IT	<i>Law & Public Safety</i>	<i>Multimedia, Marketing & Design</i>
	Metal Fabrication		<i>Multimedia, Marketing & Design</i>		Biomedical Science		<i>Natural Resource & Environmental Management</i>
	Computer Science & IT						

■ new CTE pathways or existing pathways targeted for growth

■ existing CTE pathways

Note: The CTE pathways listed have been selected by sites for targeted growth given existing resources and schedule constraints.

King Tech HS CTE Programs 2025-2026

- | | | |
|--|---|---|
| <ul style="list-style-type: none">• Automotive Maintenance Technology• Aviation Maintenance Technology• Career and Work Readiness• Carpentry• Certified Nurse Aide• Collision Repair & Refinishing• Construction Electricity | <ul style="list-style-type: none">• Cosmetology• Culinary Arts• Early Childhood Education• Electronics & Telecommunications• Emergency Medical Technology• Enterprise• Entrepreneurship | <ul style="list-style-type: none">• Farm & Food Industries of Alaska• Film, Audio & Video Production• Health and Human Services• Information Technology• Veterinary Assisting• Welding |
|--|---|---|



ASD Career Expo

UAA Participation Examples

- UAA College of Business & Public Policy
- UAA Diesel & Automotive Technology
- UAA College of Health
- UAA College of Engineering



UAA College & Career Fair



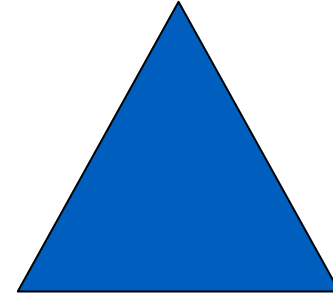
- ASD Juniors and Seniors attend UAA College & Career Fair Annually
- About 800 ASD students attended the UAA College & Career Fair in 2024
- Planning for 2025 has begun



Education Apprenticeship

- ASD is exploring an Education Apprenticeship
- Early focus on paraprofessionals and early grades
- Plans to extend to secondary
- Partnering with US DOL Office of Apprenticeship & UAA

Trainer:
UAA College
of Education



Sponsor:
ASD

Employer:
ASD