

# **State of Alaska FY2024 Governor's Operating Budget**

## **University of Alaska University of Alaska Fairbanks Results Delivery Unit Budget Summary**

University of Alaska Fairbanks Results Delivery Unit

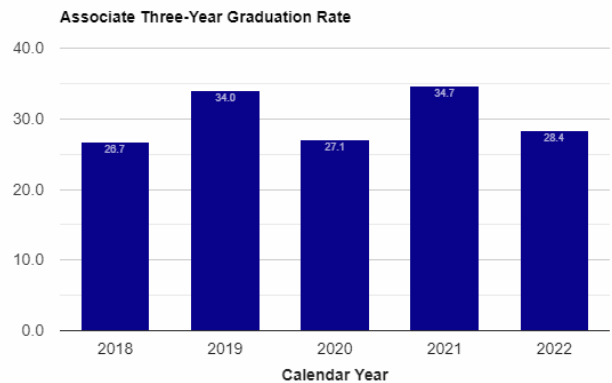
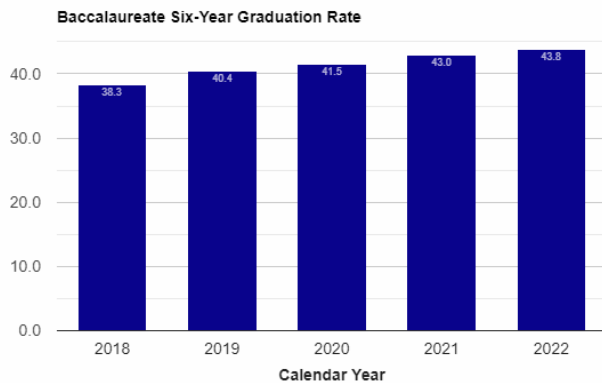
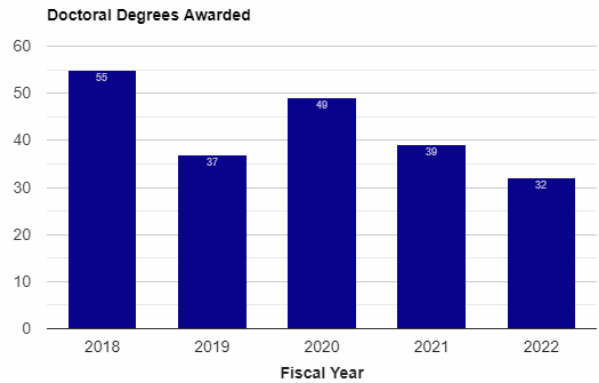
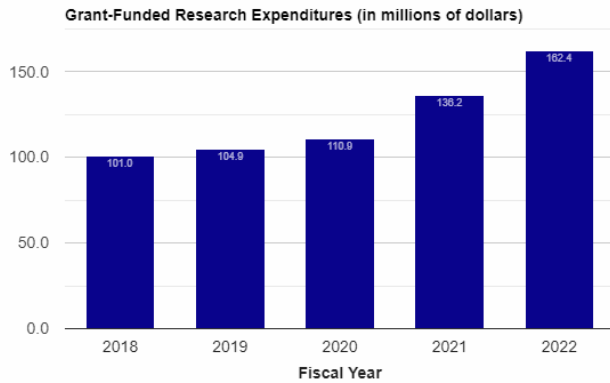
**Contribution to Department's Mission**

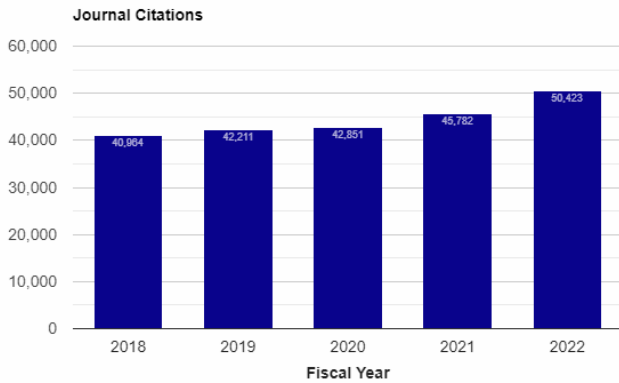
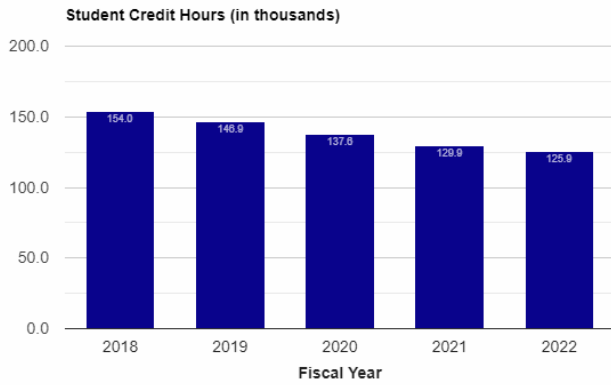
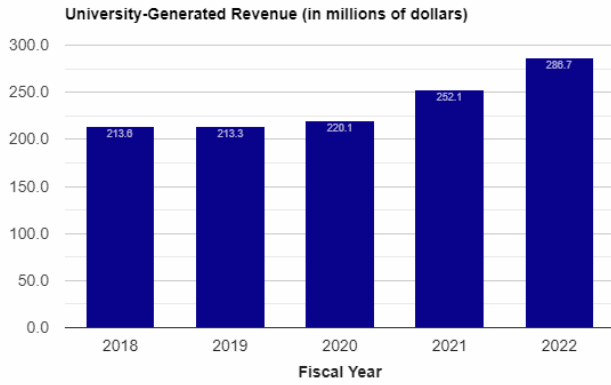
The University of Alaska Fairbanks (UAF) is a Land, Sea, and Space Grant university and an international center for research, education, and the arts, emphasizing the circumpolar North and its diverse peoples. The UAF integrates teaching, research, and public service as it educates students for active citizenship and prepares them for lifelong learning and careers.

University of Alaska Fairbanks Mission Statement  
 Board of Regents' Policy P01.01.030  
 Adopted 06-08-12

**Results**

(Additional performance information is available on the web at <https://omb.alaska.gov/results>.)





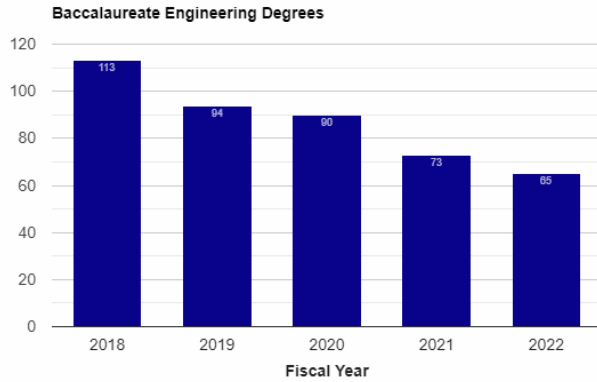
**Core Services**

- Serve Alaska's employers by enrolling and graduating students in high-demand job area degree and certificate programs, including those in teaching, engineering and health fields.
- Conduct research focused on Alaska and the circumpolar Arctic, leveraging university resources with external grants and contracts.
- Increase enrollment in doctoral degree programs.
- More credits enrolled per degree-seeking student per semester.
- Generate tuition and fee revenue consistent with maintaining access for low-income students and generate other revenue to the maximum extent possible and consistent with mission.
- Increase revenue generation from private gifts.
- Increase new student enrollment of first-time freshmen and transfer students.
- Increase student credit hour production facilitated by UAF eCampus.
- Increase efficiency in instructional expenditures per credit hour delivered.
- Publish research and scholarship, making the results widely available nationally and internationally.

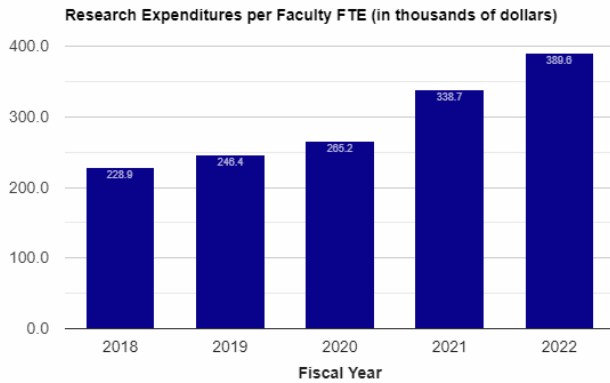
**Measures by Core Service**

(Additional performance information is available on the web at <https://omb.alaska.gov/results>.)

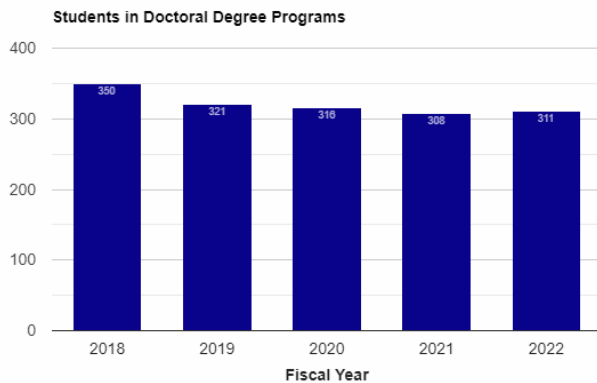
**1. Serve Alaska's employers by enrolling and graduating students in high-demand job area degree and certificate programs, including those in teaching, engineering and health fields.**



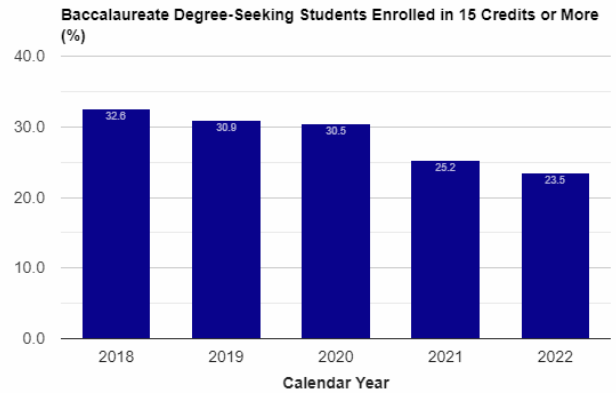
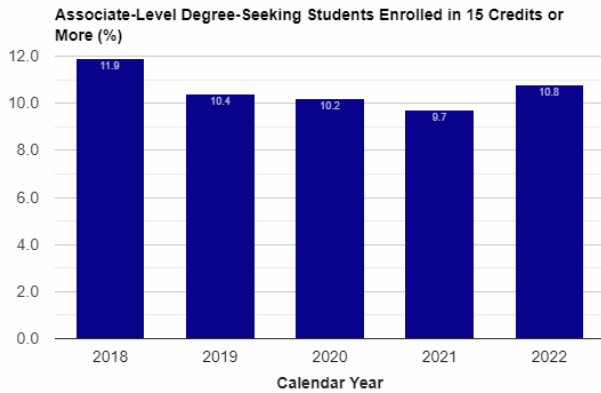
**2. Conduct research focused on Alaska and the circumpolar Arctic, leveraging university resources with external grants and contracts.**



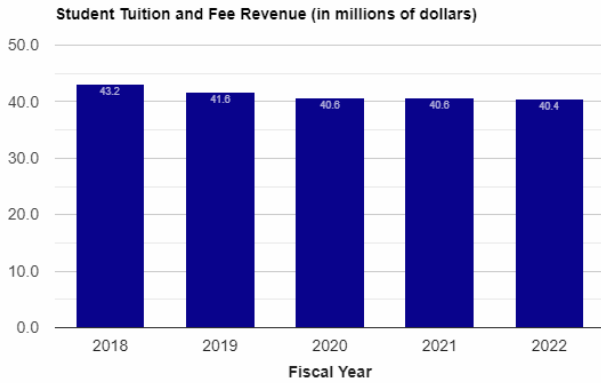
**3. Increase enrollment in doctoral degree programs.**



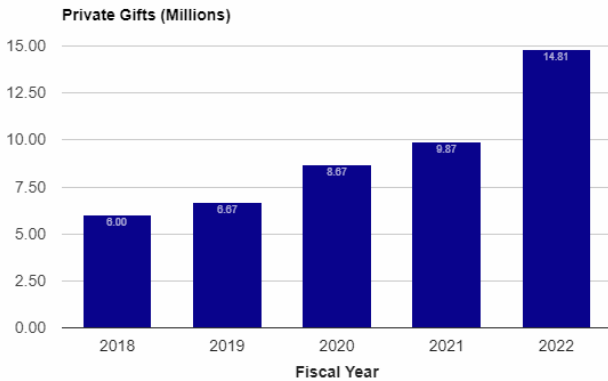
**4. More credits enrolled per degree-seeking student per semester.**



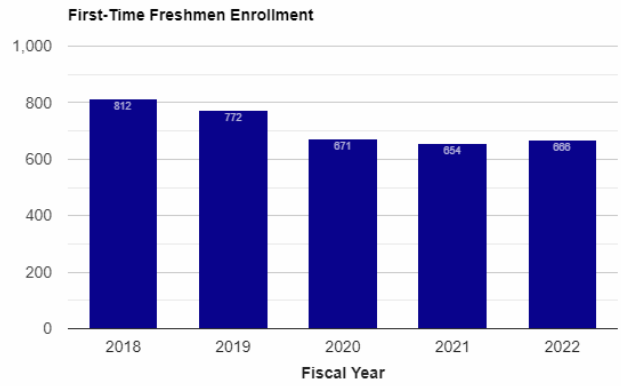
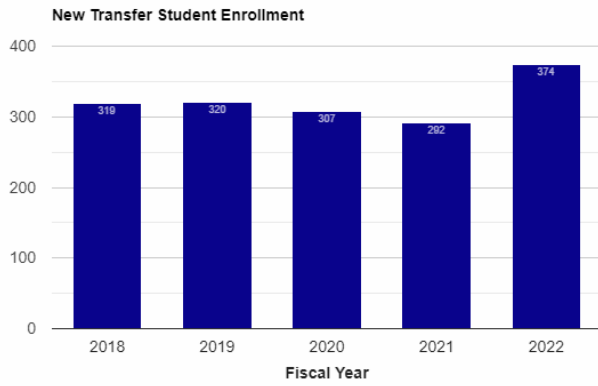
**5. Generate tuition and fee revenue consistent with maintaining access for low-income students and generate other revenue to the maximum extent possible and consistent with mission.**



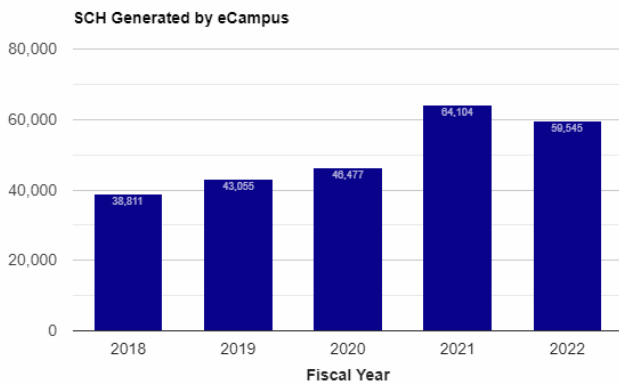
**6. Increase revenue generation from private gifts.**



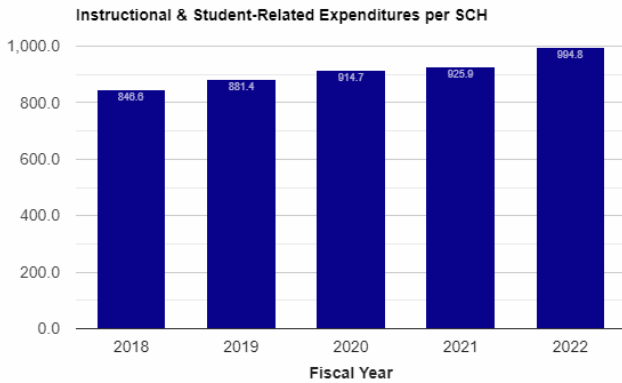
**7. Increase new student enrollment of first-time freshmen and transfer students.**



**8. Increase student credit hour production facilitated by UAF eCampus.**

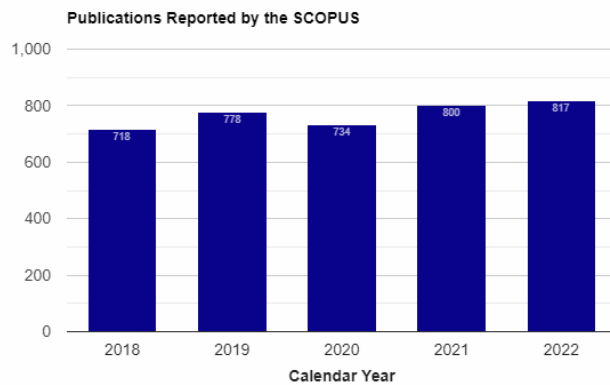


**9. Increase efficiency in instructional expenditures per credit hour delivered.**



**10. Publish research and scholarship, making the results widely available nationally and**

internationally.



## Major RDU Accomplishments in 2022

The UAF continues to follow a strategic plan that includes six goals: To (i) modernize the student experience; (ii) solidify the UAF global leadership in Alaska Native and Indigenous programs; (iii) achieve Tier 1 research status; (iv) transform UAF's intellectual property development and commercialization enterprise; (v) embrace and grow a culture of respect, diversity, inclusion and caring; and (vi) revitalize key academic programs.

Accreditation is a voluntary process of self-regulation and peer review adopted by the higher education community. It is an affirmation that a college provides a quality of education that the general public has the right to expect and that the educational community recognizes. The UAF has been accredited by the Northwest Commission on Colleges and Universities (NWCCU) since 1934. The UAF's accreditation was reaffirmed by NWCCU in February 2021. The UAF has four focus areas for accreditation: Student Success and Degree Attainment, Research, Skilled Workforce, and Equity, Diversity, and Inclusion.

The Troth Yeddha' Indigenous Studies Center will serve as a central Alaska Native gathering place with classes, services, and activities, as a breathtaking tribute, that affirms Alaska Native culture and contributions across Alaska. The center will be built at the University of Alaska Fairbanks (UAF). With growing enrollment of Indigenous students and a history steeped in culture, the Troth Yeddha' Indigenous Studies Center champions a path forward to honor Alaska's First Peoples, to meet the current and future campus demands, and to prepare the University of Alaska for academic growth. Timing is crucial as the University of Alaska respond to demand in areas such as the revitalization of Indigenous languages, restoration of cultural knowledge, community healing, and centering Indigenous knowledge.

## Awards, Recognition, and Achievements

John Walsh, a climate scientist at the University of Alaska Fairbanks, has received the Mohn Prize (<https://en.uit.no/mohnprize>) for the outstanding research in the Arctic. The prize amounts to roughly \$230,000 and is one of the premier Arctic research awards. The Academia Borealis, the Academy of Sciences and Letters of Northern Norway, Tromsø Research Foundation and the Arctic University of Norway award the Mohn Prize every other year to scientists who are international leaders in Arctic research and have developed groundbreaking new knowledge about the region. Walsh, chief scientist at the UAF International Arctic Research Center, is the first United States scientist to receive the prize. Walsh has had a long and distinguished career studying Arctic climate variability and is one of the world's leading Arctic climate change experts.

Dr. Margaret Darrow, Dr. Uma Bhatt and Dr. M. Sydonia Bret-Harte were the recipients of the 2022 Emil Usibelli Distinguished Awards in teaching, research, and service, respectively. Each was recognized for their exemplary contributions to the discovery, communication, and use of knowledge.

Dr. Margaret Darrow received the Elbert F. (Eb) Rice Memorial Lecture Award for Cold Regions Engineering Education.

UAF professor Robert Merritt and scientist Dr. Stacy Rasmus were inducted into the Alaska Innovators Hall of Fame. The State Committee for Research (SCoR) created the Alaska Innovators Hall of Fame in 2014 to celebrate and honor outstanding individuals who are leaders in innovation and contribute to growing Alaska's culture of innovation. These nominees have made achievements in their field that have made a tangible impact on quality of life, economic development, the environment, the welfare of the people of Alaska and the globe. These are inventors and innovators in the fields of science, engineering and technology

Dr. Steffi Ickert-Bond, University of Alaska Fairbanks Professor of Botany and Curator of the University of Alaska Museum of the North Herbarium, is the recipient of the 2022 Charles Edwin Bessey Teaching Award from the Botanical Society of America. This prestigious award recognizes individuals whose work has impacted botanical education at a regional, national, or international level.

Thirty faculty members received tenure, promotion, or both in AY2021-22.

UA Press was presented with a 2021 Contributions to Literacy in Alaska award by the Alaska Center for the Book; the UA Press publication Yungcautnguuq Nunam Qaingam Tamarmi (All the Land's Surface is Medicine) won the Council on Botanical and Horticultural Libraries 2022 Annual Literature Award.

### **UAF academic rankings:**

UAF's Special Education and Teaching program is one of only three programs to be rated as Exemplary by Quality Matters, certified in all four sub-categories: Program Design, Teaching Support, Learner Support and Learner Success.

UAF's online programs also earned Quality Matters' certification for Online Learner Support. All UAF Quality Matters certifications have been earned since 2018 and are valid for 5 years.

UAF's online bachelor's degree programs were again ranked among the best by United States News and World Report in 2021. Additionally, the online Master of Arts in Justice Administration was ranked 29th in the country.

The online Bachelor of Business Administration programs earned a top-75 spot (out of 228) in the United States News and World Report ranking for undergraduate business programs.

22nd: World's Best Small Universities, Times Higher Education Survey, an improvement of four places from last year's 26th spot.

Top 26 percent: impact on reducing inequality. Times Higher Education Impact Ranking survey.

University HQ rated UAF's Bachelor's and Master's programs as best in the state. Niche.com rated UAF well above average in a number of categories including colleges with the best professors and best colleges for student athletes.

### **UAF research rankings:**

3rd: Worldwide Rank in Number of Publications/Citations of Peer-reviewed Arctic Research

4th: Geological and Earth Sciences, NSF Higher Education Research and Development Survey

*Examples of ranked schools that UAF outranks: Penn State, Texas A&M, Stanford, Harvard, University of California, Berkeley, Cornell, Yale*

10th: Ocean Sciences and Marine Sciences, NSF Higher Education Research and Development Survey

*Examples of ranked schools that UAF outranks: Rutgers, Duke, Princeton, Stanford, Cornell, Yale*

13th: Astronomy and Astrophysics, NSF Higher Education Research and Development Survey

*Examples of ranked schools that UAF outranks: University of Washington, Seattle, Columbia, Texas A&M, Yale, Stanford, Cornell*

21st: Atmospheric Science and Meteorology, NSF Higher Education Research and Development Survey

*Examples of ranked schools that UAF outranks: Harvard, Texas A&M, Boston College, Stanford, Cornell, Yale*

### **Academic Programs, Enrollment and Graduation**



During the fiscal year 2022, UAF conferred 1,209 degrees, including 276 undergraduate certificates or licensures, 226 associate degrees, 493 baccalaureate degrees, 182 master's degrees and 32 doctorates.

As of September 2022, fall enrollment at UAF was up four percent for incoming first-time first-year students. Student headcount and student credit hours were about flat in total with declines in the College of Engineering and Mines and our Community and Technical College but with growth in the College of Business and Security Management and the College of Liberal Arts. UAF has invested in several enrollment and retention initiatives, including an extensive strategic enrollment planning process.

UAF's eCampus now supports the delivery of six graduate degrees, four graduate certificates, two post-baccalaureate certificates, sixteen bachelor's degrees, seven associate's degrees, six undergraduate certificates, and nine occupational endorsements; for a total of 50 fully online programs. Over 215 programs are available to complete partially online with a hybrid course schedule.

UAF's six-year baccalaureate student graduation rate was 43.8 percent, representing a 0.8 percentage point increase over 2021. UAF's three-year, first-time, full-time associate-level student graduation rate was 28.4 percent. This is a decrease of 6.3 percentage points from the 2021 rate.

UAF has continued to prioritize retention and student success initiatives to increase the graduation rate of first-time full-time freshmen. Fall 2020 to fall 2021 retention for first-time full-time baccalaureate students was 67.9 percent. The retention rate for associate degree students was 51.8 percent.

As part of the priority on retention, UAF has implemented several initiatives, including the launch of the upcoming Student Success Center. Programmatic changes are already underway, including a transition to a first-year comprehensive advising model and the addition of academic coaches.

UAF offers high school students both an online and in-person dual enrollment experience. In partnership with the Fairbanks North Star School District, the North Star College launched in fall 2020 with a cohort of 40 high school seniors earning seven to 15 credits while taking classes on the Fairbanks campus. UAF welcomed another cohort of 40 seniors in the fall of 2021 and fall 2022 with plans for significantly expanding the program in fall of 2023.

The Alaska Advantage program partners with UAS to provide dual enrollment opportunities to high school students from school districts around the state and to earn both high school and college credit. The program enrolled almost 500 high school students in the fall semester of 2022.

### **Community Campuses**

#### **College of Rural and Community Development (CRCD)**

CRCD continues to contribute to the Alaska Native Success Initiative (ANSI) through the ongoing recruitment and retention of positions supporting the Indigenous and rural student serving programs and places, reflecting the UAF workforce and Alaska's population with eight hires in 2022.

CRCD rural campuses continue to increase dual enrollment course offerings across rural school districts and regions. With a shared vision of supporting more K-12 students in their pursuit of higher education and employment. The rural campuses have been integral in boosting the state's dual enrollment, tech prep offerings, and student success. CRCD and the individual rural campuses continue to be successful in securing federal funding (DOE, USDA, NIH etc.) to provide support and engagement of students across the state.

Bristol Bay Campus Assistant Prof. Masteller led UAF's Solar Design Team to compete in the National 2022 National Renewable Energy Laboratory (NREL) Solar Decathlon where the team placed 3rd. Read more in the <https://www.akbizmag.com/industry/architecture/uaf-students-design-shipping-container-house/> magazine and see their award winning design. (Project supported by USDA grants.)

Kuskokwim Campus received a \$2 million grant from the Health Resources and Services Administration for converting a building to a new, state-of-the-art Allied Health training center. This renovation will be further funded through a partnership with Blue Cross/Premera and is expected to break ground in summer 2024.

The University of Alaska Fairbanks Kuskokwim Consortium Library was among 30 finalists for the 2022 National Medal for Museum and Library Service. The Kuskokwim Consortium Library was the only institution in Alaska to be selected as a 2022 finalist for this award.

Northwest Campus, in collaboration with the Department of Equity and Compliance and the Nanook Diversity and Action Center, continues the ongoing speaker series designed to encourage understanding, build empathy, to engage people in thinking critically about worldviews, and to promote conversations on diversity, equity and inclusion: *Shine a Light*. Recent topics have included: Decolonizing the Classroom and Trauma-Informed Practice in Education.

The Rural Alaska Honors Institute (RAHI) celebrated 52 graduates in the 2022 graduation ceremony. Since its inception in 1983, over 1,800 students have completed RAHI. Alumni have gone on to earn more than 1,250 degrees from the University of Alaska and a variety of other institutions around the U.S. and beyond.

Representatives from the Arctic Education Alliance visited the University of Alaska Fairbanks Interior Alaska Campus. Representatives from the University of Southern Maine and the Greenland Institute of Natural Resources met with faculty and visited areas around the state regarding workforce development in the Arctic. The Arctic Education Alliance (AEA) is a collaboration between Greenlandic and American education institutions to build education capacity in Greenland for land and fisheries management, sustainable tourism and hospitality.

#### **Community and Technical College (CTC)**

The UAF Community and Technical College (CTC) is Alaska's quality choice for career and technical education, academic preparation and lifelong learning. CTC's core purpose is community-driven education built on values of academic excellence, integrity, student empowerment, innovation, flexibility, and community collaboration. CTC hires experts from industry to teach in specialized programs that carry academic credentials, meet industry standards, and often require state or federal certifications. In FY2022 CTC hired six new faculty members to continue supporting workforce development and training Alaskans for Alaska's jobs.

In AY2021-22 CTC graduated approximately 400 students with degrees ranging from Occupational Endorsements, one and two-year certificates, and associate degrees. To support students, CTC focused on targeted retention efforts and judicious use of tuition assistance to support students' completion with an understanding that students educated for workforce development jobs may get employed before they complete their degree.

**CTC's Debbie Moses Learning Success Center** has been awarded certification from the National College Learning Center Association. The CTC Learning Center provides educational support and services to students in a friendly and welcoming environment and is a useful resource for both college and high school students to seek tutoring in writing and math. The center provides group and quiet study areas, a Math Lab and Writing Center with tutoring assistance, and many additional services to help increase math and language skills.

#### **Trailblazer Recognition Ceremony**

For the second time, first generation students who received an occupational endorsement (O.E.), Certificate, Associate of Applied Science (AAS)/ Associate of Arts (AA) were recognized at UAF through the Trailblazer Recognition Ceremony held on April 20, 2022. A first generation student is the first person from their family to attend college and receive a college credential. CTC and CRCD celebrated approximately 200 first generation students for the 2021-2022 academic year. President Pitney was the keynote speaker at the event. The event was streamed to rural sites while it was held in-person at 604 Barnette Street, Fairbanks, Alaska.

#### **Welding and Materials Technology**

CTC's Welding and Materials Technology program received the Schools Excelling through National Skills Education (SENSE) Level I certification by the American Welding Association at the beginning of academic year 2021-2022. The SENSE specifications and guidelines help training organizations build a welding education program that is flexible and modular while meeting essential industry requirements.

#### **Alaska Technical Vocational Education Program (TVEP)**

TVEP funding received in FY2022 supported three faculty positions and equipment for eight CTC programs to support dynamic and innovative teaching. With the support of TVEP funding, students in Allied Health, Aviation, Culinary Arts, Dental Assisting, Diesel Heavy Equipment, Fire Science, Paramedicine, Process Technology and Welding will receive the latest in industry standard for equipment and technology training available. TVEP support for CTC programs in FY2022 totaled \$756,500.

### **Registration BASH Event**

CTC held an in-person registration event on August 18<sup>th</sup> for interested community members. The family friendly event highlighted workforce development programs from CTC's 40+ programs and included free application processing, onsite registration, and advising. There were a variety of program vehicles and equipment, including a fire truck from the fire science program, an airplane from the aviation program, food from the new culinary arts food trailer, an ambulance from the paramedicine program, vehicles from the automotive technology program, and more. There were approximately seventy (70) new applications for admissions from this event.

### **Applied Business and Accounting**

CTC's Applied Business and Accounting program implemented a partnership with the Alaska Interior Business Accelerator (<https://interioraccelerator.com/>) to give aspiring entrepreneurs and existing small businesses the tools and networks to set their companies on the path to success, while building momentum and bringing attention to the opportunities that exist for small businesses in interior Alaska.

### **Culinary Arts and Hospitality (CAH)**

The UAF CTC CAH program, in the last five (5) years has grown and improved in many ways. The program has built and created new partnerships with some of the best restaurants around Alaska, including Seven Glaciers in Alyeska Resort, Altura Bistro in Anchorage, 229 Parks in Denali, Lavelle's Bistro and Latitude 65 in Fairbanks. This gives students an opportunity to connect with employers that can help them achieve their career goals. This is an extension of CAH's goal to be the "culinary hub" of the Interior. CAH's reputation for producing high-quality graduates has led to employers from around the state regularly contacting CAH to connect them with students and graduates.

Over the last three years, CAH has transitioned most lecture courses online. This has made it easier for both traditional and non-traditional students to participate in the program and earn their degrees. Many students work or have families or other challenges to participating in full-time enrollment and CAH has worked to lower barriers to education for all students. As the culinary hub of the interior, CAH also has many industry partners. CAH have guest speakers and supporters from many businesses in Fairbanks, including Alaska Four Company, Quality Sales Food Service, Holland America and Hoodoo Brewing. CAH recently partnered with the Alaska Railroad and Hoodoo Brewing to provide food to the Hoodoo Choo-Choo event consisting of a train ride from Fairbanks to Nenana and back for over 250 guests, showcasing the strengths of the program and students. CAH also supports many local non-profit organizations through fundraising events, sharing a kitchen lab space and offering training and educational opportunities. Some of the non-profit organizations include; Fairbanks Resource Agency, Fairbanks Summer Arts Festival, Breadline Inc, Festival Fairbanks, Stand Down for Veterans, and Stones Throw.

Through industry connections and relationship building CAH recently received a donation of a high-quality, fully supplied, 35 foot-long food trailer. This amazing gift will be utilized as an extension of the kitchen lab to teach students how to operate a food truck, which is a growing area of the hospitality industry. The food trailer also has many other possibilities for supporting the program goals, from fundraising to externships and employment opportunities for students. In addition to this donation, CAH has been working through TVEP grants to replace aging equipment in the kitchen lab to make sure students have contemporary and high quality equipment to use in their classes.

CAH will continue to work to be the culinary hub of the interior and provide high quality education that prepares students for their future careers. Hospitality workers are in high-demand as the tourism industry in Alaska continues to grow, providing a pathway for students to enter the workforce and build great careers in Alaska.

### **Early Childhood Education**

The early Childhood Education program launched the Nanny Occupational Endorsement in AY2021-2022 resulting in fifteen (15) students earning their OE from the program.

A successful partnership began with Department of Education and Early Development (DEED) for Early Childhood Education (ECE) courses to be offered in Alaska high schools. Two different pilot programs have started with public high schools for AY2022-2023; one in Ketchikan and one in Nenana, impacting approximately fifty (50) students. These courses will allow all involved high school students to earn credits toward social science requirements at a reduced rate and help them gain skills they will use throughout their lives.

**The Bunnell House Early Childhood Lab School** reopened to young students ages three to five on the Troth Yeddha' campus after being closed for two years due to the pandemic.

### **Allied Health**

CTC's Allied Health program partnered with Aging At Home to offer a Personal Care Attendant credential to students. This is a 12-day program for those interested in beginning their career in healthcare. Aging At Home provided \$1,000 scholarships to qualified students.

### **Information Technology Specialist**

The IT Specialist program teaches students how to use, support, implement, and troubleshoot the computer and information technology systems found in educational, governmental, and corporate settings. Both certificate and associate degree options are offered through the IT Specialist program, as well as, individual courses for interest and professional development. The program recently added Amazon Web Services that trains students to work within the cloud environment along with earning an industry certification with Amazon. The program also has been training students to earn high demand industry certifications such as COMPTIA A+, NET+, and SEC+. As the industry continues to evolve so does the program, this allows the graduates to feel confident when graduating and entering the workforce.

### **Financial Assistance for Diesel/Auto/Welding/Aviation Students**

The Bill Stroecker Foundation donated funds that will support students in the Diesel, Auto, Welding and Aviation programs. The funds will assist students by paying for tuition and fees and purchasing tool boxes for students.

### **Aviation Maintenance**

The Aviation program offered a new Federal Aviation Administration (FAA) test prep program for aircraft mechanics. Civilian and military aircraft maintainers with at least 30 months of experience were eligible to take this test prep program which prepares them for the Airframe and Powerplant Mechanic FAA certification exam.

In person graduations and celebrations for Nursing, Paramedicine, Fire Science, First Generation graduation, and CTC's celebration of Community and Industry Partners happened for the first time in two years.

### **Emergency Medical Services Highlights**

The Paramedic program purchased virtual reality software and equipment to help train students. Utilizing software from VRpatients (<https://vrpatients.com/>) allows instructors to create tailor-made clinical scenarios that give an accurate experience of what it is like to assess, diagnose, and treat a sick patient in real time. Together with textbook instruction, VRpatients' lessons library and immersive experience assist instructors to more accurately evaluate students' critical thinking skills.

17 Paramedic Graduates - 14 Graduates actively employed within 1 month of completion

The Paramedic students completed their capstone internships at emergency facilities in South Carolina, Texas, Connecticut, Oklahoma, Nevada, Oregon, and Washington.

17 Advanced EMT Graduates - 15 Graduates actively employed or associated with volunteer emergency services agencies and the other two student chose to continue their education and are in the current Paramedic Academy

58 Emergency Medical Technician I completers

16 Paramedic Refresher Students taught by Fidel Garcia, national speaker and instructor of EMS

12 Emergency Trauma Technician Graduates from a collaborative effort with Tok School and CRCD

April '22 - CTC hosted EMS Career Fair with in-state and out of state employers attending to connect students and industry

Additional state of the art equipment was added to the program by the support of Alaska Technical Vocational Education Program (TVEP) funding:

- 1 adult Laerdal SimMan G3 high fidelity patient simulator.
- 4 Airway training device
- 1 Childbirth training device

### **Process Technology**

Summer 2022 celebrated three current students and two graduates that were offered paid internship positions with Hilcorp on the North Slope. These interns worked with the Hilcorp employees on two week on/two week off rotations to learn different areas of the upstream oil and gas industry. Some of these summer interns were offered positions with contractors (working for Hilcorp) and have continued working on the North Slope following their internship. Additionally, other students and graduates have accepted job offers locally at the North Pole refinery, UAF Power Plant, Eielson Power Plant, and other locations.

The Process Technology program participated in the Spring 2022 Anchorage King Technical high school "Spring Hiring Event" which had 1,200 high school students attending from the surrounding Anchorage high schools. The program has also made visits to high school process technology classrooms at Mat-Su Technical High School and West High School in Anchorage, to talk with students about the CTC Process Technology program. The CTC Process Technology program offers dual credit opportunities for these high school students taking Process Technology courses.

### **Summer Fire Academy 2022**

The summer firefighter academy offered through the CTC fire science program is a 10-week program that combines five weeks of online learning with a five-week paramilitary-style skills academy. Upon successful completion of the program, a student will earn 12 credits towards an A.A.S. degree in fire science and will be eligible to test for Alaska FireFighter I certification. Summer 2022 celebrated 29 completers. The Summer Fire Academy training is supported by the local fire departments to ensure essential workers are available in the Fairbanks North Star Borough workforce.

- Chena Goldstream Fire Department
- Ester Fire Department
- North Pole Fire Department
- North Star Fire Department
- Steese Fire Department
- University Fire Department

### **Public Engagement**

The Institute of Agriculture, Natural Resources, and Extension (IANRE) combines research with outreach and engagement statewide through programming that leads to enhanced food security and food resiliency through partnerships with farmers, gardeners, youth, elders, councils and entrepreneurs. IANRE not only shares research-based information, but also provides workforce development opportunities.

IANRE faculty and staff offer regular trainings and classes on topics that aid in workforce development and job security.

The Cooperative Extension Service (CES) is a trusted source of information through training and classes on food preservation and safety, precision agriculture, Master Garden volunteer certification program, and national certification courses. Post pandemic, Extension will continue to use Zoom, Facebook Live and other platforms to continue its outreach. Extension agents train more than 1,000 people annually in more than 20 communities on how to preserve Alaska foods and food safety.

Master gardeners trained by Extension commit to 40 hours of volunteer service in their communities. Master Gardeners also make up the bulk of membership of many garden clubs. They are important in supporting activities at

the dozen fairs around the state. Through the Federally-recognized Tribal Extension Program arm of the National Institute of Food and Agriculture, villages can access these activities as well.

The Alaska 4-H program livestock auctions at several fairs brought in more than \$500,000 which, in return, supports local 4-H youth to support their future livestock and educational plans. In Bethel, a community accessible only by plane or barge, 197 youth were able to interact with nine national experts from across the country. In addition to the subject content taught by these professionals, youth were able to experience other cultures. Additionally, this experience allowed the professionals to learn and experience the uniqueness of remote Alaska living. This immersive experience created learning for all involved. In-person activities increased this year during local fairs, achievement and recognition nights, community service projects, hikes, livestock and horse clinics.

At-home learning kits continue to provide meaningful and fun opportunities for youth to learn. District examples include: culture camp in a box (Bristol Bay/Dillingham); edible soil science and weaving kits (Mat-Su/Copper River); ice cream science (Kodiak Island). Kits offered statewide: plant detectives, potato possibilities, summer harvest, microgreen magic, and Mars solar rover challenge.

Through the University of Alaska Agricultural Farm and Experimental Stations (AFES) in Fairbanks and Palmer, Faculty and staff are continuing and expanding the vegetable variety trials. This fall, they harvested and collected yield data on more than 100 different cultivars of vegetables, with record breaking yields for artichokes, peppers, and winter squash. The Variety Trials, as a partner of the Harvest Project (along with the Georgeson Botanical Garden, and the UAF Office of Sustainability) has already donated more than 1,700 pounds of produce to hunger relief organizations in the community. Based on all the winter squash still in the field, AFES is on track to break last year's record of more than 4,000 pounds of donated produce. AFES outreach also includes the Delta Farm Forum, Delta Harvest Wrap up, Soil Health Field Day in Delta, birch tree tapping and sap flow monitoring along with One Tree citizen science, and a joint Alaska Farm Bureau and Western Sustainability Agriculture Research and Education conference every fall.

Inside Extension, the Mining and Petroleum Training Service (MAPTS) meets the needs of the mining and oil and gas industry training in its three divisions:

- 1) The MAPTS adapted online Mine Safety and Health Administration (MSHA) compliance training and increased its student numbers by allowing it to serve major production mines and individuals across the state and outside the state.
- 2) MAPTS Oil and Gas division is certified by the International Association of Drilling Contractors (IADC) and continues regular offerings of the only IADC WellSharp training in the state, serving all of Alaska's drilling contractors.
- 3) MAPTS Mine Training Camp program partners with Alaska Native subsidiaries and contractors to recruit shareholders into training and mentor individuals into successful employment.

Internationally, MAPTS has provided consultation on underground mine training facility in Sisimiut, Greenland, including mobile equipment, mine rescue equipment, and construction of the underground facility. MAPTS instructors provided 40-Hour MSHA training and certification to Greenland's KTI Råstofskolen Director and staff members.

Alaska Sea Grant education programs contribute to creating a diverse workforce trained in place-based and online venues and cover a range of topics from marine safety, policy, business skills, permit assistance, food safety, and processing techniques. We support the commercial fishery and seafood processing industries and hosted 92 workshops with over 6,000 participants. Twenty-three new fishermen were trained to run a modern commercial fishing business. Thirty-one commercial fishermen completed United States Coast Guard-approved marine safety classes. Food safety training reached 65 professionals. Support to the nascent mariculture industry included developing new seaweed processing techniques, publishing them in a handbook, and offering training to current and prospective business owners. Mariculture permit application guidance resulted in higher quality applications and a record-setting number of permit applications.

#### Summer Sessions and Lifelong Learning (SSLL)

SSLL created two international travel programs, one to Ireland and the other to Greece, where the participants learned about their natural, cultural, and political histories.

SSLL created and hosted an 11-day inbound Alaska travel program for the University of Alabama Huntsville Osher Lifelong Learning Institute (OLLI).

SLL created the free Summer Fairbanks Tall Timbers Lectures, a series of eight, every Monday evening, that honored eight community members who have given so much to the Fairbanks community. The series was delivered in person, via webcast, and recorded. The recordings were turned into YouTube videos and posted on the web.

SLL hosted the free Summer Healthy Living Public Lectures, a series of 10, every Tuesday evening, that covers a wide variety of healthcare topics and one week included a talk by Alaska's chief medical officer Dr. Anne Zink who addressed Alaska's Health Scorecard. The series was delivered in person, via webcast, and recorded. The recordings were turned into YouTube videos and posted on the web.

SLL hosted the free Summer Discover Alaska Public Lectures, a series of 10, every Wednesday evening, with professionals from the Geophysical Institute sharing their area of expertise. The series was delivered in person, via webcast, and recorded. The recordings were turned into YouTube videos and posted on the web.

SLL hosted Music in the Garden Concerts, a series of twelve live free concerts in the UAF Georgeson Botanical Gardens concerts every Thursday evening at 7:00 PM. This year in welcoming bands began at 5:30 PM. Hundreds of Fairbanks families come out to enjoy this weekly event.

SLL offered 65 children's summer day camps with a final enrollment of 773. Scholarships were available for those children who qualified for the public schools free and reduced lunch program.

SLL's SMART (Science, Math, Art, Recreation, Technology) Academy working with the 116 home schools throughout the state offered virtual enrichment classes both in the fall and the spring.

SLL hosted the 2022 Legacy Lecture which this year honored UAF Alum Steve Frank.

## **Athletics and Student Affairs**

### **Athletics**

Athletics serves as the first major contact that some stakeholders and constituents have with UAF, and serves as a community engagement opportunity for many members of Fairbanks and its surrounding communities. The UAF Athletics program generates brand identity, awareness and marketing for the University. These highly visible programs increase the number of prospective student applications, bolsters alumni participation, and both encourages and facilitates giving to the University through various philanthropic initiatives.

Athletics departments within the National Collegiate Athletic Association (NCAA) divisions put primary focus on the following three themes:

1. Fundraising and Scholarships
2. Compliance
3. Support Systems

UAF Athletics is continuing to develop and achieve these themes by creating a highly functioning Athletics fundraising program. With the spring hire of Sr. Associate Athletic Director for External Relations, Carl McAloose, in collaboration with our Assistant Athletic Director for Marketing, Sponsorships, and Promotions, Lisa Laiti, UAF Athletics has enhanced the fundraising team to further develop sponsorships and add inspiring events. The program is excited to continue the Seekins Ford Lincoln Raffle this year, with a 2023 Ford Maverick, along with a Gold Rush Event (Reverse Raffle) to book-end the athletics seasons in March. Additionally, increasing ticketing opportunities and sales under Assistant Athletic Director for Facilities, Ticketing, and Operations, Ryan Lahr will be a top priority for bringing fans back to their seats. Partnering this with the ongoing work from Sr. Associate Athletic Director, Jim Hall and Assistant Director of Athletics and Senior Woman Administrator, Dr. Nicole Bernsen, student-athlete academic-standing and overall GPA is the highest it's ever been. Alaska Nanooks Athletics aims to take the current framework and further develop it within the next three to five years, allowing Athletics to set and achieve major compliance, operational, and fundraising goals and initiatives.

Accomplishments from 2021-2022:

This year provided many challenges and opportunities for UAF Athletics after a year without event competition. A special thanks to Chancellor White, UAF Administration, and the coaches and staff for their leadership and vision. The ability to innovate, adapt, recruit, and develop student-athletes was above and beyond. An even bigger thank you to the donors who continued their unwavering support of Nanook Athletics and helped achieve one of the most successful years in UAF Athletics history. Without you none of this is possible. An additional thanks to Dr. Cary and Sarah Keller, who have continued to inspire Nanook Athletic Programs for over 30 years.

Additionally, Alaska Nanooks Athletics sees Athletic Director (AD), Brock Anundson, beginning his second year overseeing these strategic initiatives to ensure they are appropriately developed. This year has also seen some enhancements to coaching and staff; including new Head Women's Basketball Coach Amy Donovan, new Head Women's Swimming Coach Ksenia Gromova, new Strength and Conditioning Coach Nathan Archer, a promotion of Palmer Trolli to the Head Athletic Trainer role, along with some amazing assistant coaches and athletic trainers. The retirement of Dr. Keller after 33 years as Team Physician, Alaska Nanooks Athletics has brought on Dr. Jennifer Malcolm, as Team Physician, from McKinley Orthopedics and Sports Medicine. This new partnership will assist in enhancing student-athlete resources, along with providing a physical location nearby. With all of this, Alaska Nanooks Athletics achieved a cornerstone to continuing their department build-out process. To date, the program is continuing to integrate a dynamic and fully NCAA compliant process for all stakeholders who operate within it.

Under new leadership, Anundson and the Athletics Department will continue to implement the three to five-year athletics strategic plan. The plan includes increased community outreach and engagement, expanded efforts in fundraising practices, student-athletic development, academic achievement, wellness and post-graduation success. This transformation aspires to find efficiencies and create a highly functioning athletic department by developing coordinated, collaborative, cooperative ventures and partnerships with other parts of the university. In addition, the Athletics Department is implementing a community and support system strategic plan with the greater Fairbanks Community (i.e., Youth Sport Board, school systems, and more) to foster and enhance the opportunities for Nanook student-athletes now and post-graduation.

#### **Alaska Nanooks Highlights:**

- From no season to three-week road trips, pandemic protocol, arguably the toughest schedules in NCAA Sports
- Cross Country defeating UAA in back to back weeks for first time in program history
- Women's Swimming starting 5-0, best start in program history
- Women's Volleyball going 18-12, arguably the best season in program history

#### **Hockey**

- Key wins: weekend sweep of St Thomas, three games versus RPI, #20 Clarkson, 3-0-1 against Arizona State, defeating #4 Minnesota on the road, and a tie against eventual National Champion Denver.
- Additionally, getting ESPN top ten coverage from the Minnesota road win.

#### **Rifle**

- Scoring two 600s – only the 2<sup>nd</sup> and 3<sup>rd</sup> ever at UAF.
- NCAA Championships, Bronze Aggregate and Silver's in Smallbore and Air Rifle.
- Five All-American accolades, the NCAA Shooter of the Year, the NCAA Newcomer of the year, and Coach of the Year.

#### **Men's Basketball**

- GNAC Tournament Championship as a #10 seed, with four games in four straight days. NCAA West Regional as the #8 seed. With three games in four days, the Nooks knocked off #1 CSU-San Marcos, #5 Azusa Pacific, before falling to #3 Chico State in the championship game. Only their second-ever trip to the Sweet 16, and arguably the most historic run by a UAF or GNAC team.

#### **Men's and Women's Skiing**

- Best team-finish ever at the NCAA Championships in seventh place. Topped their previous ninth place finish from 1977, which was their first-ever appearance at the NCAA Championships.

**All Sports GPA – Unprecedented, 3.43 Cumulative GPA**

#### **Student Affairs**



The Center for Student Engagement (CSE) is the home of many programs and services that align with the UAF's institutional goals of "modernizing the student experience" and "growing a culture of respect, diversity, inclusion and caring." CSE contributes to these institutional goals by: 1) providing innovative and collaborative space for college students to connect over similar interests while presented with opportunities for self-discovery; 2) cultivating leaders through a rich variety of student leadership experiences, including student employment, governance, student organizations, and other high-impact co-curricular programs; and 3) exposing students to programs with a diverse community, new ideas, and environments that affirm identities.

The Center for Student Engagement (CSE) was awarded a \$10,000 grant from the Fairbanks Wellness Coalition and the Statewide Coalition on Suicide Prevention to provide the campus with Question, Persuade, Refer (QPR): Suicide Prevention Training. This is the fourth year CSE has received this grant.

Nanook Recreation (NR) completed some locker room updates and is in the final stages of a basketball hoop improvement project that will allow for increased court capacity and versatility. Code corrections and small improvements are planned for the Patty Pool starting in summer 2023. NR programs such as Group Fitness, Wilderness Welcome, intramurals and Learn to Skate have seen strong in-person participation.

UAF's Center for Student Rights and Responsibility (CSRR) is entering its fifth year as a department. CSRR is synonymous with Dean of Students (DOS) at our sister campuses and is the department responsible for adherence to constitutionally required due process rights, which are also outlined in UA's Board of Regents' policy. This department is an integral part of the student's holistic development and the campus' commitment to safety and student rights. Focusing on student accountability, safety, and resilience, CSRR seeks to help students learn and grow inside and out of the classroom. CSRR is responsible for the student conduct model at UAF. CSRR prioritizes restorative practices that seek to repair harm and help individuals understand and value the role they play in their community. The goal is to help students understand their decisions impact not only them but everyone around them. CSRR personnel are part of crisis response and support for all students - regardless of location (i.e. supports CTC and rural campus students, distance students and students on university sponsored travel). CSRR is also responsible for assembling a threat assessment team when services are needed.

The Student CARE team is also housed in CSRR. This is a multi-disciplinary team made up of staff and faculty committed to helping students when they need it most. This team seeks to understand the challenges of the modern student and works as a partner to help eliminate barriers and support students in reaching their academic and career goals.

Campus safety and community development are top priorities in CSRR. This office is also responsible for federal compliance with the Clery Act and Drug-Free Schools and Communities Act for UAF. These compliance standards are connected to the institution's ability to issue students federal IV funding. Compliance with these acts requires coordination from multiple departments such as the University police, department of residence life, rural campuses, human resources, Department of Equity and Compliance, and CSRR. It also requires initiating and responding to threats to campus safety and response. Compliance with these acts is a 24/7 operation.

In addition to the services listed above, CSRR is also a faculty advocate and mediator to balance student rights and institutional responsibility. Routinely, CSRR provides guidance for faculty to navigate classroom disruptions and balancing employee rights with student rights, an important risk mitigation effort for the university. CSRR works closely with the graduate school, disability services, HR, Faculty, and Department of Equity and Compliance to address issues early and in a timely manner.

The Student Health and Counseling Center (SHCC) provides an array of primary care, urgent care, episodic care and mental health care services to students on campus. Services include COVID-19 testing, immunizations, tuberculosis screening, physicals, sexually transmitted infection screenings and treatment, medication management, treatment for various illnesses and disorders, health education, lab services, individual psychotherapy/counseling, couples therapy/counseling, and group psychotherapy/counseling, crisis counseling, resource and referral services, and outreach programming.

Some current initiatives include:

- COVID-19 testing and vaccination program for UAF Students
- Full immunization program for UAF Students

- Counselor imbedded in residence halls (Moore/Bartlett/Skarland)
- Counselor imbedded in Student Support Services
- Counselor available at CTC
- Counselor available onsite at Athletics
- Interactive Screening Program from the American Foundation for Suicide Prevention launched in partnership with the UAF Community Mental Health Clinic (UCMHC)
- Daily consultation hour with a counselor for students/faculty/staff
- Statewide delivery of tele-behavioral health services to UAF students
- Program development for embedded counseling in UAF Residence Life
- Mental Health First Aid training for campus partners (staff, students, and faculty)

Disability Services supports a diverse and inclusive campus community by providing academic, housing, dining and programmatic accommodations to individuals with disabilities. Disability Services also provides training and informational opportunities to the campus in an effort to educate community members for active citizenship.

Some current initiatives include:

- Cost reductions by using new vendors and technology
- Co-Hosting and both staff members are presenting at the 2nd Annual Disability Services Virtual Conference November 5-11 for all UA employees
- Currently serving 202 students for the fall 2022 semester, the highest number of students registered with Disability Services on record
- Continued statewide coordination of the Disability Services offices
  - Ensure processes to register and receive accommodations are consistent across campuses
- Increase access to and utilization of assistive technology
  - Provide unlimited license for Texthelp's Read and Write literacy support tool to all students, staff, and instructors
  - Glean recording and transcription software now being utilized by students, reducing need for peer notetakers and enabling students to independently manage notes
  - Expand types of assistive technology supported by the office and provide training to students using the technology
- Increase integration with the UAF Center for Student Rights and Responsibilities
  - Ensure students have access to services
- Increase coordination with UAF eCampus
  - Ensure students in online courses have access to services
  - Increase integration of universal design principles in course development
- Continue collaboration with community-based service and advocacy groups
  - Examples include but are not limited to: Access Alaska, Department of Vocational Rehabilitation, Alaska Center for the Blind and Visually impaired, and Developmental Disability Resource Connection

Residence Life has continued to provide communities that are inclusive, diverse, caring and respectful.

- Added a 24 hour customer service desk in the Moore/Bartlett/Skarland complex to provide lock out services, equipment checkouts, and general assistance to residents
- Renovation of Wickersham hall to provide updated flooring, bathrooms, and furniture in a suite-style student housing facility
- Upgraded elevator in Skarland student housing facility
- Upgraded electric transformers for Moore, Bartlett, and Skarland student housing facilities
- Upgraded sewer system for Hess Village employee and student housing facilities
- Trained hall staff on mental health first aid which is intervention techniques to assist with lower level mental health concerns and connect students in crisis with campus and community resources

### **eCampus**

UAF eCampus works with the university community to explore opportunities for change and growth. Academic achievements, innovation, and community partnerships are highlighted among the best milestone accomplishments throughout the year.

eCampus now offer more than 50 fully online programs – from occupational endorsements to graduate degrees allowing UAF to reach students in all 50 states and 15 countries with quality flexible options. New additions include a BS in Fisheries and Marine Sciences and a BA in Social Work. These programs are important for filling workforce needs in Alaska and have been highly requested by students within Alaska and beyond. Through AlaskaX, the consortium partnership through edX, has extended the reach to over 29,514 learners from 193 countries, elevating the visibility of the program's world-class faculty.

Sealaska and Cook Inlet Region Inc. (CIRI) were added to the growing list of corporate partners. Both Alaska Native Corporations have thousands of shareholders and employees across the country. Sealaska and CIRI shareholders receive package pricing, while UAF broadens its reach to help Alaska meet the demand for a qualified, diverse workforce.

Exam Services offers credentialing and certification exams for industry and workforce employment for the State of Alaska. During AY2022, Exam Services provided 726 hours of seat time across 225 certification exams ensuring State journeymen electricians, boiler operators, linemen, plumbers, explosive handlers, and water and pesticide workers remain employed and promotable.

The Alaska Advantage Program provides Alaska's high-achieving high school students a virtual in-state, quality, and affordable option for dual enrollment. The program has 41 school districts, including all major homeschool programs and three private school partners. In AY2022, Alaska Advantage served 949 high school students who earned 4,504 student credit hours representing 85 unique high schools around the state.

eCampus plans and conducts more faculty development than any other unit, with the instructional design team having successfully delivered over 700 hours of assistance to over 400 faculty this year. eCampus is a leader in the campus-wide movement to reduce textbook and material costs for students at UAF. Open education resources (OER) have been shown to impact student performance and retention, especially for low-income and first-generation students. eCampus researched best-practices and integrate these with faculty support and communication leading to a significant increase in the usage of no or low-cost (NoLo) materials, saving students up to \$297,400 in AY2022.

## **Research**

Part of UAF's strategic plan is to achieve Tier 1 research status. This accomplishment would elevate UAF to a prestigious class of doctoral-granting U.S. universities with very high research activity as defined by the Carnegie Classification of Institutions of Higher Education. Attaining Tier 1 research status can provide global recognition for UAF's high research productivity; enhance competitiveness for funding resources; attract globally competitive faculty, staff, and students to improve the quality and caliber of UAF research and education; increase student enrollment; and provide local economic benefits to the broader Fairbanks community. For these reasons, achieving Tier 1 research status captures an important aspect of UAF's long-term strategic research vision. UAF's research vision extends beyond the metrics highlighted by the Carnegie classification system. Specifically, research is critical for advancing UAF's mission and core themes, including educating students, preparing a skilled Alaska workforce, connecting with Alaska Native peoples, and engaging with fellow Alaskans.

UAF continues to lead in Arctic research, as well as globally influencing science advancement. In FY2022, direct research expenditures are about \$185 million from restricted and unrestricted fund sources. UAF receives competitive funding from several state and federal agencies.

In FY2023, UAF received \$25.8 million in one-time research and workforce development funding from the State of Alaska directed at economic development areas that have a connection to the state economy with high potential for growth:

- UAF will grow the critical minerals and rare earth element industry in Alaska from exploration, to mining, to processing, including workforce mine training through the Mining and Petroleum Training Service (MAPTS).
- Aerial drones stand on the precipice of transforming the methods by which: remote infrastructure monitoring with the oil and gas industry; medical supply and cargo delivery to aviation-dependent communities; mapping and surveying; wildlife monitoring and protection; and an ever-growing list of new drone applications important to Alaskans. Drones have the potential to conduct these missions more safely and economically

than can be done at present, improving the quality of life for people living across Alaska, especially in rural communities.

- Mariculture can become a major economic driver for the state as the field is only in its infancy and this investment will increase Alaska's market share in a global economy.
- Heavy oil and gas recovery is intended to develop technology enabling the production of heavy oil in the Ugnu formation, for which no production technique currently exists. A new enhanced oil recovery method, called polymer-alternating solvent (PAS), will enable heavy oil development in the Arctic, with a 12-15 billion-barrel target.
- These key research programs will enhance UAF's national prominence in areas of specific expertise, maximize innovative opportunities, and create industry partnerships.
- Work in critical minerals, drones and mariculture are collaborative projects with UAF, UAA and UAS and industry.

Navigating the New Arctic (NNA), a prominent program of the National Science Foundation (NSF) awarded five new research awards to UAF researchers in the areas of permafrost-agroecosystems, energy resilience during wildfires, seismic resilience in the face of climate change, reducing fuel oil consumption in rural Arctic communities, and building community resilience for the future with respect to water/hydrology. These NNA awards bring in over \$7.8 million to UAF, in addition to many other active NNA projects.

Selected examples of research efforts in various UAF research institutes and centers are highlighted below.

The Alaska Satellite Facility (ASF) continues to work on the large Task Order under the University Affiliated Research Center to manage and operate the GeoData Cooperative, a transformative organization that integrates .gov, .org, .com, .mil, and .edu under one collaborative partnership. The GeoData Cooperative is focused on delivering relevant geospatial data that meets the Department of Defense mission timelines, resulting in significant cost efficiencies for the United States Government. Another Task Order has recently been added that will complement this GeoData Cooperative work with additional funding for development with partners.

The Alaska Center for Unmanned Aircraft Systems Integrations (ACUASI) continues to leverage beyond-visual-line-of-sight flight capability that sets the program apart from its peers. It is one of the first steps towards proving the ability of technology to prevent unmanned aircraft from colliding with manned aircraft and opening Alaska's airspace to routine unmanned aircraft operations.

The College of Fisheries and Ocean Science (CFOS) continued to safely operate the NSF owned research vessel Sikuliaq, a 261-foot oceanographic research ship, even during the pandemic impacted years.

CFOS also formed the interdisciplinary Alaska Blue Economy Center (ABEC) in 2019 to help boost Alaska's blue economy by serving as a resource for research, instruction, and outreach related to Alaska's aquatic resources and ecosystems. ABEC has been moved into the Innovation Team under the newly appointed Associate Vice Chancellor for Research, Gwen Holdmann. ABEC, Office of Intellectual Property and Commercialization (OIPC), and Center for Innovation, Commercialization and Entrepreneurship (ICE), comprise this team working to increase not only innovations, but also industry partnerships.

Alaska Sea Grant, CFOS, and partner organizations in the Mariculture Research and Restoration Consortium secured \$25 million from the Exxon Valdez Oil Spill Trustee Council for research to support restoration, habitat enhancement, and economic development through seaweed and shellfish farming.

The Alaska Center for Energy and Power (ACEP) launched its flagship online course 'Foundations of Microgrids' through the EdX platform. The electric grid of the future will need to be more resilient, decentralized and capable of integrating more distributed energy resources, including on-site renewable energy technologies, energy storage and even electric vehicle charging. ACEP with CEM and UAA also launched Online Renewable Energy for Arctic Food, Energy, Water (FEW) Course. The Renewable Energy for Arctic Food and Water Security course is based on the work of the University of Alaska MicroFEWs project, which focused on food, energy and water security in Arctic and subarctic communities.

ACEP researchers are conducting a field study of whether electric thermal storage heaters, a type of supplementary heating appliance, can help reduce home heating costs and improve air quality, especially PM2.5. An electric thermal

storage heater is a type of supplementary heating appliance, and these could help reduce PM2.5 if households use them to displace a portion of their wood heat.

ACEP partners with the Cordova Electric Cooperative (CEC), one of six awardees nationwide to receive a total of \$10 million in funding from the U.S. Department of Energy, to drive adoption of clean energy technologies. The project proposes a unique district heating strategy for Cordova that is coupled with and powered by local renewable sources, including optimized hydropower and solar photovoltaic-based generation.

The Institute of Arctic Biology operates the Toolik Field Station, the largest scientific research station in the Arctic. This station has received \$19.7 million in funding from the National Science Foundation for five more years of operation. Toolik provides logistical, technical, and research support to hundreds of national and international scientists and students each year.

IAB's Center for Alaska Native Health Research has developed a new strength-focused framework to prevent American Indian and Alaska Native youth suicide. The research framework expands on conventional risk reduction strategies by placing Indigenous culture, knowledge, beliefs, and community collaboration at the center of the approach.

Researchers at CFOS and the International Arctic Research Center were awarded a \$1.25 million grant from the National Science Foundation for the development and operation of a new autonomous carbon seaglider. The carbon seaglider will be capable of adaptively sampling carbon dioxide concentrations and other oceanographic parameters throughout the coastal environment and will be used for ocean acidification monitoring and dissolved inorganic carbon process studies.

IARCs Alaska Climate Science Center grew the Alaska Tribal Resilience Learning Network. Through a cooperative agreement with the Native American Fish and Wildlife Society, the Learning Network works to build collaborative and meaningful relationships with Alaska Native Tribes and other entities in order to address management and adaptation needs across the state.

The Geophysical Institute continues high-end research on earthquakes, volcanoes, glaciers, permafrost, sea-ice, aurora, remote sensing, and much more. It supports the community with timely and relevant research information. Many noteworthy research accomplishments and information for the public are available at <https://www.gi.alaska.edu/news>

The UA Museum of the North (UAMN) preserves and holds in public trust over 2.5 million objects in its collection. A recent prominent addition is the only articulated suspended bowhead whale skeleton in North America. UAMN saw over 74,000 visitors in FY2022 and provides 400 K12 student visits annually.

## **Facilities**

UAF continues to leverage various means and funding sources to maintain and update the aging facility portfolio in support of UAF's mission and strategic goals. UAF also prioritizes preventative maintenance funding of critical deferred maintenance, renewal and repurposing (DMR&R) projects, in an effort to limit adding to the existing DM backlog. Where new construction is not yet possible, there is an effort to modernize and reduce operations and maintenance (O&M) costs by implementing efficiencies, contributing to greater student appeal, greater access to modern spaces, adopting ADA and accessibility improvements, and supporting changing UAF services to meet student needs.

- Critical DMR&R projects. Every proposed project is weighed against UAF's DMR&R needs and then funded through a combination of capital and operational dollars. Given the high cost of construction, projects often include scopes of work to renew, revitalize, and remove functional obsolescence at the same time as the DM&R work, increasing the efficiency of the contract. As work is accomplished the items are removed from the DM backlog report.
- Preventative maintenance program. Annual operating dollars are tapped to repair and renew systems needed for the basic functionality of UAF buildings: roofs, plumbing systems, lighting, and motors. Through active preventive maintenance and focused maintenance, buildings continue to serve the academic and research missions despite their age.

In FY2023, UAF received \$23 million for deferred maintenance for Moore and Bartlett Hall plumbing and revitalization. Bartlett and Moore Hall are UAF's largest residence halls, housing 644 undergraduate and graduate students throughout the academic year. Built in the mid-1960's, the original sanitary plumbing infrastructure is corroded to the point of failure throughout both buildings, causing multiple partial building closures over the previous four years. Additionally, both facilities are showing their age and do not meet the modern student's expectations for campus housing. This project will modernize both residence halls including paint, carpet, interior finishes, restrooms, laundry facilities, and associated sanitation infrastructure by replacing the plumbing systems and reconfiguring the restrooms to comply with current building codes, ADA standards, and modern student resident expectations. Lighting, living areas, and architectural finishes will be modernized to enhance the student experience. The Bartlett Hall laundry will be relocated from the basement to the ground floor to resolve code issues. Concurrent construction on both facilities is expected to begin May 2023 with an estimated completion date of July 2024, in preparation of the fall 2024 semester.

UAF continues to explore opportunities to leverage land and assets in new or shared ways. This includes but is not limited to a potential public-private partnership (P3) or concession of certain utility infrastructure systems, currently under review. These opportunities may leverage land and assets to help fund critical infrastructure systems, programmatic growth and to assist with elimination of ongoing operating costs and/or deferred maintenance.

### **Gifts**

UAF is on an upward trajectory in seeking and securing private philanthropic gifts that align with the university's mission of teaching, research and service. Connecting the university's mission to the donor's passion is under the purview of University Advancement which consists of the Development, Alumni Relations, and University Relations teams, in partnership with faculty, UAF leadership and colleagues throughout the university. While this uptick in private gifts is strategic and purposeful, it must be stated that donor gifts are most often restricted to a particular program or area. Private philanthropy has the potential to transform the university when aligned with strategic priorities and projects.

UAF received \$14.8 million in private philanthropic donations in FY2022, a 50 percent increase from FY2021's \$9.8 million. This success is a result of strategic efforts to invite more people, more often, to support the university, as well as increase the stewardship of UAF's current supporters. The impact of philanthropy at UAF in FY2022 is shared on the Gifts at Work page, a report that was sent to all FY2022 donors in August 2022:

<https://uaf.edu/giving/impact/gifts-at-work.php>.

The total number of donors in FY2022 was 2,147, including alumni, friends, corporations and foundations. Donations from alumni made up 34 percent of the dollars raised in FY2022. UAF's alumni giving remains above the statewide averages of 15 percent of total giving from alumni as reported in the September 2021 UA Foundation For Alaska Campaign report.

UAF received a number of notable transformative philanthropic investments in FY2022, including \$2.8 million from Steve Holmburg '89 to create the Steve and Cynthia Holmberg Choral Director Endowed Chair; and \$1 million from Kinross Alaska for the Troth Yeddha' Indigenous Studies Center, among many others. Stories celebrating donor generosity may be found in current and archived issues of the Chancellor's Report on Philanthropy, at:

<https://uaf.edu/giving/impact/report.php>.

The second UA Giving Day, held Nov. 9-10, 2021 was a success by every measure. Billed as "49 hours for the 49th state," the online fundraising event drew participation from more than 1,600 individuals. Online donations to the three universities totaled \$1 million to support students, university programs, research, athletics, and scholarships. More than 60 percent of those gifts were from UAF donors, who gave a combined \$661,709.

The University of Alaska Fairbanks named its engineering building for UAF alumnus, philanthropist and miner Joseph E. Usibelli. UAF hosted a naming ceremony Thursday, Aug. 4, 2022 in Cornerstone Plaza outside the building. At its June meeting, the UA Board of Regents approved naming the building for Usibelli, who died in mid-May after a long-term illness.

### **Key RDU Challenges**

- Managing the operational budget that is challenged by multiple years of budget cuts compounded by COVID related costs and lost revenues.
  - Switching back to largely in-person operations after two plus years of COVID impacts where operations were a mix of in-person, hybrid, or remote.
  - Post-COVID employee recruitment and retention challenges in a differently competitive national environment.
  - Maintaining or increasing research accomplishments in a climate where faculty also need to teach more to meet academic needs.
  - Maintaining or developing diverse funding sources as the federal grant landscape continues to tighten.
  - Maintaining research journal and database subscriptions, due to cost increases that continue to occur at rates substantially exceeding general inflation.
  - Scaling administrative support, student services, facilities operations and maintenance, and other work to meet projected needs.
  - Maintaining and increasing enrollment and tuition revenue in the competitive enrollment market.
  - Making sufficient investments in deferred maintenance without severe impacts to operating funds, limiting the ability to address large scale projects.
  - Limited access to broadband internet and high costs continues to limit Alaska's learners' access to online education opportunities through much of Alaska (including in urban areas).
  - Providing services and support to bolster employee morale and provide development opportunities.
  - Providing services and support to bolster student success and mental and emotional well-being.
  - Promoting diversity and inclusiveness in hiring in a generally difficult employment market.
- Covering increased insurance and other fixed costs in a constrained environment without inflationary operating budget adjustments to ensure stability.

## **Significant Changes in Results to be Delivered in FY2024**

### **Access and Enrollment**

UAF is in its fourth year of Strategic Enrollment Planning (SEP). SEP is a data-informed process that aligns an institution's fiscal, academic, co-curricular, and enrollment resources within a changing environment to accomplish its mission and ensure long-term enrollment success and fiscal health. UAF launched the process in September 2018. To date, over 250 participants have been involved across 52 action planning groups. More than 50 percent of participants are faculty. These groups have created over 120 action plans, more than half of which have been implemented. In 2020, UAF expanded the process to include college-specific enrollment planning with the College of Engineering and Mines. Starting in fall 2021, UAF began focused enrollment planning efforts with the College of Liberal Arts, College of Natural Sciences and Mathematics and the Community and Technical College. Additional academic units are adopting the process in 2022. This iterative process continues to become part of the strategic fabric of UAF. The SEP Steering Committee continues to assess the effectiveness of the implemented strategies and expand upon successful initiatives to build enrollment at UAF.

Examples SEP Action Plans include:

- Honors College and Climate Scholars Program
- Online Bachelors of Science in Biology
- Financial Aid Leveraging Scholarships
- Rural Counselor Fly-In Program
- Graduate Certificate in Microgrid Power and Renewable Energy Systems
- Nanook Brotherhood Project
- Admission Counselors positions added in key locations in Lower 48

UAF has expanded its dual enrollment opportunities with the eCampus Advantage Program and the North Star Middle College. The Advantage program, which started in fall 2019, encourages high school students to take high-quality online courses offered by University of Alaska Fairbanks and, starting fall 2020, includes University of Alaska Southeast. Students earn both high school and college credit for a single course, get a solid introduction to university-level expectations and can take advantage of package pricing. This program has been especially valuable during COVID and UAF now has over 40 school district and home school partners and has enrolled nearly 500 students from across Alaska for the fall 2022 semester. UAF expects this population to grow quickly as it meets the growing demand for quality dual enrollment experiences in Alaska. UAF has implemented the Canvas Learning Management System and in the year ahead will connect UAF's instance of Canvas with Alaska's school districts using Canvas to provide a seamless dual enrollment experience for Alaska students.

UAF and the Fairbanks North Star Borough School District (FNSBSD) have joined forces to create North Star College, a middle college program that allows students to take UAF classes at the Fairbanks campus while still in high school. The first cohort of 40 students enrolled fall of 2020, and another 40 have entered in fall 2021. Of the 40 students in the 2020 cohort, 22 have gone on to register at UAF following high school graduation. UAF and the FNSBSD plan to expand the program into a stand-alone school for fall 2023, increasing high school enrollments to 120 and then 175 for fall 2024.

UAF began offering a new four-year scholarship to eligible students beginning in the fall 2020 semester. Nanook Pledge, provides four years of annual assistance to first-year students, transfer students and readmitted students at UAF. Awards range from \$1 thousand to \$12 thousand per year, and are based on criteria that include grade-point averages and tuition rates. Prior to this launch, most UAF scholarships only provided funding a single year at a time. Nanook Pledge is designed to overhaul the UAF scholarship process to allow for four years of predictable financial assistance to students.

Beginning fall 2021, the Nanook Commitment scholarship is available for incoming first-year, transfer, and readmitted UAF students to help qualifying students bridge the gap between what they can afford and the cost of attendance. This is a renewable award-eligible students receive four years of predictable financial assistance, in an amount that is calculated based on their financial need, as defined by their FAFSA, in addition to their grade-point average and tuition rates.

**New, Suspended and Deleted Programs**

In 2021-22, UAF deleted an occupational endorsement in Rural Human Services Behavioral Health Aide, which had been inactive and had no enrolled students. Also deleted was a BS in Anthropology; enrolled students will be taught out using existing courses still being offered for the corresponding BA in Anthropology, and additional disciplinary tracks will be added to the BA in Anthropology to integrate what was previously offered under the BS.

UAF has added a BA in Computer Science, and a much-anticipated Master of Marine Policy program offered in partnership with UAS. New graduate certificates in Justice Administration, Arctic and Northern Studies, Geospatial Science, and Climate Security were added, as well as an occupational endorsement in Yup'ik Language Competency.

UAF has significantly revised its program review process to streamline the steps and make it more efficient while also providing more regular and implementable feedback to programs under review. The new process will be underway in 2022-23.

Contact Information
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**University of Alaska Fairbanks  
RDU Financial Summary by Component**

*All dollars shown in thousands*

	FY2022 Actuals				FY2023 Management Plan				FY2024 Governor			
	UGF+DGF Funds	Other Funds	Federal Funds	Total Funds	UGF+DGF Funds	Other Funds	Federal Funds	Total Funds	UGF+DGF Funds	Other Funds	Federal Funds	Total Funds
<b>Formula Expenditures</b> None.												
<b>Non-Formula Expenditures</b>												
Fairbanks Campus	260,576.8	70,094.6	141,383.8	472,055.2	268,472.3	37,748.7	138,810.0	445,031.0	248,600.4	37,748.7	139,810.0	426,159.1
Bristol Bay Campus	0.0	0.0	0.0	0.0	2,210.1	316.6	1,401.2	3,927.9	2,259.6	316.6	1,401.2	3,977.4
Chukchi Campus	0.0	0.0	0.0	0.0	1,192.8	0.0	984.9	2,177.7	1,220.9	0.0	984.9	2,205.8
College of Rural and Comm Dev	0.0	0.0	0.0	0.0	7,144.2	593.5	642.3	8,380.0	7,340.0	593.5	642.3	8,575.8
Interior Alaska Campus	0.0	0.0	0.0	0.0	2,612.2	467.5	1,594.7	4,674.4	2,700.0	467.5	1,594.7	4,762.2
Kuskokwim Campus	0.0	0.0	0.0	0.0	4,404.9	313.5	826.1	5,544.5	4,530.2	313.5	826.1	5,669.8
Northwest Campus	0.0	0.0	0.0	0.0	1,852.8	116.1	2,720.7	4,689.6	1,916.3	116.1	2,720.7	4,753.1
UAF Community and Tech College	10,615.2	385.7	0.0	11,000.9	11,983.4	294.1	160.1	12,437.6	12,254.2	294.1	160.1	12,708.4
<b>Totals</b>	<b>271,192.0</b>	<b>70,480.3</b>	<b>141,383.8</b>	<b>483,056.1</b>	<b>299,872.7</b>	<b>39,850.0</b>	<b>147,140.0</b>	<b>486,862.7</b>	<b>280,821.6</b>	<b>39,850.0</b>	<b>148,140.0</b>	<b>468,811.6</b>

**University of Alaska Fairbanks**  
**Summary of RDU Budget Changes by Component**  
**From FY2023 Management Plan to FY2024 Governor**

*All dollars shown in thousands*

	<u>Unrestricted</u> <u>Gen (UGF)</u>	<u>Designated</u> <u>Gen (DGF)</u>	<u>Other Funds</u>	<u>Federal</u> <u>Funds</u>	<u>Total Funds</u>
<b>FY2023 Management Plan</b>	<b>169,031.8</b>	<b>130,840.9</b>	<b>39,850.0</b>	<b>147,140.0</b>	<b>486,862.7</b>
<b>One-time items:</b>					
-Fairbanks Campus	-25,800.0	0.0	0.0	0.0	-25,800.0
<b>Adjustments which</b>					
<b>continue current level of</b>					
<b>service:</b>					
-Fairbanks Campus	5,217.9	710.2	0.0	1,000.0	6,928.1
-Bristol Bay Campus	29.0	20.5	0.0	0.0	49.5
-Chukchi Campus	20.5	7.6	0.0	0.0	28.1
-College of Rural and Comm Dev	179.3	16.5	0.0	0.0	195.8
-Interior Alaska Campus	59.3	28.5	0.0	0.0	87.8
-Kuskokwim Campus	101.7	23.6	0.0	0.0	125.3
-Northwest Campus	51.6	11.9	0.0	0.0	63.5
-UAF Community and Tech College	268.9	1.9	0.0	0.0	270.8
<b>FY2024 Governor</b>	<b>149,160.0</b>	<b>131,661.6</b>	<b>39,850.0</b>	<b>148,140.0</b>	<b>468,811.6</b>