

State of Alaska FY2002 Governor's Operating Budget

University of Alaska
University of Alaska Fairbanks
Budget Request Unit

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BRU Mission

University of Alaska Fairbanks Mission Statement
Board of Regents' Policy 01.01.03

The University of Alaska Fairbanks, as the nation's northernmost Land, Sea, and Space Grant university and international research center, advances and disseminates knowledge through creative teaching, research, and public service with an emphasis on Alaska, the North, and their diverse peoples.
(04-21-00)

BRU Services Provided

The University of Alaska Fairbanks (UAF) offers instructional programs covering a broad postsecondary spectrum and is the major research center for Alaska. The university is committed to providing a free and open forum where ideas and issues may be professionally pursued and frankly debated in an environment of mutual respect and intellectual integrity. It seeks to provide an intellectually stimulating learning process which is culturally sensitive and empowering to its students. The university is committed to assuring that its graduates receive a balanced education in the arts, humanities, natural and social sciences through which creativity is fostered and historical and independent pursuit of further learning, of contributing to the economic well being of the state and nation and of participating in and contributing to global society. The university seeks a culturally diverse environment that values and promotes equal treatment of sexes, races, and cultural and ethnic groups through its academic programs, student body, faculty and staff.

The University of Alaska Fairbanks is a residential institution of higher education, which serves students from all of Alaska as well as from other states and nations. It is particularly committed to enhancing educational opportunities for Alaska's rural and native populations. Through its branch campuses in Bethel, Kotzebue, Dillingham, and Nome and its rural education centers, the university is responsive to local and regional needs, including open educational access to its programs. Special strengths exist in the use of educational technology, which provide for the distance delivery of selected programs to many areas of the state. In seeking a broad array of students, admission to several associate degree and certificate programs is open to all. Admission requirements to all baccalaureate and graduate programs as well as some Associate of Applied Science degree programs vary depending on the specific field of study.

The University of Alaska Fairbanks offers developmental programs, certificate, associate, baccalaureate and graduate/professional programs in the arts, sciences, career fields, and professions. It is the center for graduate education and is Alaska's only doctoral granting institution. It possesses unique strengths in the physical and natural sciences and offers a broad array of engineering programs with a particular emphasis on the stresses of northern environments. UAF is a major center for the study of natural resources including minerals, forestry, wildlife, geology, agriculture, fisheries and ocean sciences and their associated economics. It has been recognized for its work in multi-cultural understanding, rural health problems, and cross-cultural interaction in the human service profession.

UAF is classified as a Doctoral: Research Intensive institution by the Carnegie Foundation. Academic units include the College of Liberal Arts; College of Science, Engineering, and Mathematics; College of Rural Alaska; School of Management; School of Agriculture and Land Resource Management; School of Mineral Engineering; School of Fisheries and Ocean Sciences; and School of Education.

In sum, the University of Alaska Fairbanks is to become a world leader in arctic research and graduate education. UAF can provide quality undergraduate education in both a traditional and nontraditional setting. UAF is a leading partner with communities, industry, and government in addressing needs, solutions, and new avenues of growth. UAF is becoming the educational center for Alaska Natives. UAF is a model that demonstrates how diversity strengthens a university and society. UAF is the academic gateway to northern regions and the Circumpolar North.

BRU Goals and Strategies

The MAU will Strengthen the UA System by providing:

- Unity - Capitalize on existing strengths,
- Responsiveness - To state needs,
- Access - To all Alaskan citizens,
- Quality - Recruit/retain quality faculty and students, and
- Efficiency - Cost effective delivery.

Key BRU Issues for FY2001 – 2002

- **Delivery of Student Services:** The increasing diversity of our student body coupled with the growing demand for delivery of academic courses and programs for place-bound students calls for new approaches to many student services. All, or nearly all, student services are affected but the most critical include registration, advising and library services. Traditional methods of providing these services were designed for a traditional campus setting; new approaches are needed to deal with the new realities of our student body.
- **Communication Connectivity:** UAF will develop approaches to dealing with three significant changes in communications: connectivity to Internet II through the Northwest Gigapop, the addition of approximately 100 villages to the UA, network and the ability to uplink a TV signal from Fairbanks. Each of these offers significant opportunities and challenges; all of our programs - instruction, research, and service - must take advantage of these changes to provide better programs to larger audiences.
- **Facilities:** The development of some key programs depends upon several deferred maintenance and new construction schedules. Of particular importance are the Hutchinson Career Center addition, deferred maintenance projects (especially Duckering, Brooks, the Library, and Bristol Bay), the Museum addition, and construction of the Lena Point fisheries facility.
- **Teacher Preparation:** Over the next few years, UAF will phase out the existing B.Ed. - Elementary Education and replace it with two options for licensure: a restructured baccalaureate degree and an appropriate baccalaureate degree (BAS being the recommended program) followed by a 5th year program. Major issues related to this transition include accommodating students in the B.Ed. - Elementary pipeline; bringing the BAS on line; (insuring the delivery of the restructured elementary baccalaureate degree, the BAS, and 5th year programs (elementary and secondary) throughout the MAU; and qualifying for NCATE accreditation by 2005.
- **Research Opportunities:** Growing state and national interest in climate change, energy, data acquisition and processing, provides UAF with new research opportunities and challenges. Taking advantage of the opportunities will require expansion of our external funding, more efficient use of our facilities, and replacement of the expertise that we have lost due to recent retirements.

Major BRU Accomplishments for FY2000

UAF's rifle team successfully defended its NCAA title in 2000 and once again reigns as national champions.

Enrollment of classic first-time freshmen at UAF increased seven percent in fall 1999.

Graduates ranging in age from 19 to 65 earned their diplomas at UAF in 2000. In all, 973 degrees were conferred during the 78th Commencement ceremony on May 7, which was led by members of the Walking Hawk intertribal group.

A team of five UAF students won the Pacific Northwest regional College Bowl tournament in February 2000.

Roger Smith was promoted to director of UAF's Geophysical Institute in April 2000 after serving as interim director for almost a year. Roger Norris-Tull became UAF's new dean of the School of Education in June. Dave Woodall is now dean of UAF's College of Science, Engineering and Mathematics. After a seven-year absence, Paul McCarthy

returned as director of Libraries and Information Technology at UAF. H. Michael Babb is now director of UAF's College of Rural Alaska's Northwest Campus in Nome.

Fiscal year 2000 was a banner year for fundraising as private donations to UAF exceeded \$9.1 million.

New scholarships established this year at UAF include: Fifty Below Charter Chapter of the American Business Women's Association Scholarship, Society of American Foresters Dixon Entrance Scholarship, Fairbanks International Airport Operators Council Scholarship, Frances and Alfred Baker Memorial Scholarship, Arctic Chapter National Defense Transportation Scholarship, GHEMM Company Scholarship, ARCO Petroleum Research Scholarship, Krejci Music Scholarship, Dr. Gerald Berman Founder's Scholarship, American Indian Science and Engineering Society Scholarship and the Lois E. Meier Scholarship.

Articles featuring UAF students and faculty appeared in several national publications this year, including Nature, Smithsonian, USA Today, Science, Fortune, Backpacker, Discover, Air Ambulance-London, Outside, The Chronicle of Higher Education and Sports Illustrated for Women. In addition, feature stories on UAF personnel have aired on WGN, CNN, ABC and The Discovery Channel.

A new UAF identification card now exists for students, staff and faculty, the Polar Express card.

Facilities Services has implemented a new paper recycling program on the Fairbanks campus.

A student-apartment complex on the UAF campus now bears the name of the university's first chancellor.

A new, permanent landmark at UAF was dedicated in June 2000 honoring an Alaskan geophysicist whose support for the school and public service spans four decades, Jack B. Townshend, known affectionately as "Earthquake Jack."

The 27th Festival of Native Arts in March featured 25 Native dance groups and 40 Native artisans. Groups from as far away as Hokkaido, Japan, participated in this year's event.

Student traders managing UAF's Student Investment Fund closed out the year with another phenomenal record of growth, posting an overall return of 71 percent, from an initial investment of \$100,000

A team of more than 40 students with experience in electrical, mechanical and aerospace engineering designed, built, tested and monitored a rocket launched in January at UAF's Poker Flat Research Range.

Research completed by UAF doctoral candidate Val Barber and two professors may have an international impact on how scientists analyze climate change and predict the effects of global warming.

Disaster Preparedness

Seismologists at the UAF's Geophysical Institute (GI) installed 22 seismic stations in the Anchorage area in 1995. The results and data of the 70 earthquakes that have triggered the Anchorage seismic network in the last four years have been analyzed by GI seismologists and researchers have recommended that the Anchorage Planning and Zoning Commission adopt different building standards to correspond with the three earth-movement zones discovered through this research project.

Partnerships

The U.S. Department of Energy has selected UAF as the site for a new energy center where technologies for sustainable energy systems in rural Alaska can be tested.

A joint outreach effort by UAF's Student Services, the Center for Health and Counseling and the Family Recovery Center at Fairbanks Memorial Hospital (FMH) adopts an aggressive and comprehensive approach to respond to alcohol and other drug abuse on campus.

Researching Resources

Three faculty members of the Geophysical Institute and Department of Geology and Geophysics are working under a \$750,000 contract from the U.S. Department of Energy to study geology of the Lisburne Limestone, a petroleum reservoir unit in the Arctic National Wildlife Refuge.

A \$1.2 million collaborative project with a group of Alaska Natives from across the state will help UAF researchers chart effective alcohol abuse prevention strategies among at-risk populations. Funded by the National Institute of Alcohol Abuse and Addiction, the three-year investigative effort is named the "People Awakening Project." The grant is the largest ever for UAF's psychology department.

Elena Sparrow of the School of Agriculture and Land Resources Management blends western science with Native and local knowledge to study climate change and other global issues through a \$1 million National Science Foundation program to promote global change education in K-12 classrooms throughout Alaska.

UAF's International Arctic Research Center, together with Japan's National Space Development Agency, has opened a new \$4 million satellite data analysis facility on the UAF campus.

The Pollock Conservation Cooperative, a fishing consortium comprised of companies that operate catcher/processors in the Bering Sea pollock fishery, announced an annual contribution of \$1 million to establish a new research center at UAF.

The National Science Foundation awarded a \$1.1 million research grant to the UA Museum to create the Arctic Archival Observatory.

The College of Rural Alaska's Department of Alaska Native and Rural Development entered a five-year cooperative agreement with the National Park Service to sponsor one student seminar per year, create internships and temporary employment for students and provide work study opportunities.

UAF's Justice Department is cooperating with Native corporations, local governments, and the Alaska Division of Juvenile Justice to create nine-month internships for students as juvenile probation officer trainees in rural Alaska.

The winners of the 2000 Emil Usibelli Awards for Distinguished Teaching, Research and Service were John Bruder, Terry Chapin and Jenifer McBeath. Bruder, assistant professor of mathematics at UAF's Bristol Bay Campus in Dillingham, is known for his efforts in utilizing distance-delivered teaching techniques.

The Alaska State Board of Education approved a new language education endorsement program for certified public school teachers with special skills in Native languages, world languages, or bilingual or multicultural education.

Kurt Lockwood of UAF's Police Department was awarded the Medal of Honor in April 2000.

UAF chemistry and biochemistry professors have developed a new molecular modeling software program aimed at animating atomic structures. The "Hyperchem" modeling program is being used by scientists and students to predict the structure and function of molecules and has already become one of the leading molecular modeling packages in the nation, used widely by chemistry researchers.

The Board of Regents approved a new master of fine arts degree in art making.

Alaska Cooperative Extension Service

Maintaining a solid foundation: In FY00, CES distributed 162,747 publications throughout Alaska, along with more than 28,000 newsletters to various citizen groups such as 4-H Leaders, Master Gardeners, and foresters/forest product manufacturers.

In partnership with the Tanana Chiefs Conference, Extension was successful in continuing the Extension Indian Reservation Program grant from USDA-Cooperative State Research, Education and Extension Service providing an agricultural extension agent to the Athabascan villages in the Interior region of Alaska.

Five Extension foods and nutrition assistants, located in Anchorage and Fairbanks, reached 319 adults and 2,227 children teaching nutrition, cooking skills, and budgeting through the federally funded Expanded Food and Nutrition Education Program.

Cooperative Extension's 4-H agent at Eielson Air Force Base, in collaboration with Eielson Family Advocacy and Family Member Services, developed Operation Bug Out, a mock deployment for 3rd through 8th graders to help 100+ participating youth understand what their parents face when they are deployed.

Cooperative Extension's 4-H Fisheries and Natural Resources program continues to bring fisheries education to 1400 rural students via training provided by more than 30 of their teachers.

The Pesticide Applicator Training (PAT) program provided professional pesticide applicator training for 194 Alaskans to be certified/re-certified with the Alaska Department of Environmental Conservation as restricted or commercial use pesticide applicators.

Bristol Bay-

Two Bristol Bay Campus employees received distinguished awards.

The Campus Adult Basic Education Program received increased funding of \$13,400 to expand its efforts throughout the region.

The Alaska Federation of Natives Alaska Rural Challenge project funded by the Annenberg Foundation provided \$64,000 to continue the identification of southwest Alaska Native ways of learning and indigenous knowledge to be included in public school curricula.

Chukchi-

Authentic Alaska: Voices of Its Native Writers, an anthology of writings by rural UAF students served by Chukchi Campus, went into its third printing during Spring Semester 1999. Authentic Alaska ranks in the top 50 sellers ever at the University of Nebraska Press. In addition to its use in college classes, the anthology is also a popular text in Alaskan High Schools.

Chukchi Campus became an approved testing site for the Praxis Exam for the teachers of the Northwest Arctic Borough.

In cooperation with the Alaska Technical Center, Chukchi brokered classes in Mining Technology, Nurse's Assistant Training, and Medical Technology.

Kuskokwim

Eight students graduated with certificates and degrees in the 1999-2000 year, including 53 GED's, 23 certificates, 3 AA degrees, 2 AAS degrees, 4 BEd degrees, and 1 BA in Rural Development. The Rural Services program graduated their 2nd cohort of students, accounting for 15 of the certificates awarded.

Two hundred seventy six adults participated in Adult Basic Education instruction through KUC's program, and 53 students earned their GED. The program included 34 delta villages.

Two regional school districts with the Kuskokwim Campus delivered summer academic training to approximately 75 teachers and aides.

Northwest

Northwest Campus has finalized and implemented an MOA to provide Kawerak, Inc. with vocational education to regional students in the area of computer/clerical skills and entrepreneurship.

The Bering Sea Lions Club again donated \$5,000 to the NWC scholarship fund.

Subsequent to the preliminary MOA between Kawerak and NWC, an agreement is imminent toward a shared usage of Kawerak's Village Learning Centers.

Established a cooperative relationship with Kawerak Head Start to help their employees meet the federal requirement to have their A.A.S. degree in Early Childhood by the year 2003.

Rural College

A new record of 3,556 students (5% over the previous high and a 7% increase in the past two years) enrolled in CDE's Independent Learning(correspondence) program during FY00.

Blackboard, a new web-based course management system, was purchased and deployed. Its powerful, easy-to-use interface allows faculty to load courseware, exams, and content rich material onto the Web

The first RD Applied Field-Based seminar funded under the NPS agreement was held in Kodiak and Old Harbor in April 2000. The theme was Cultural Resource Management.

Thirteen students graduated from the Rural Development BA program in Spring 2000. This was the largest graduating class in the program's sixteen year history.

The UA Board of Regents approved an MA program in Rural Development in June 2000. Eighteen students were accepted into the program for Fall 2000.

Tanana Valley Campus

In the past year, the TVC served more than 3,000 students and delivered over 25,000 student credit hours.

TVC has begun, with the University of Alaska Anchorage, a two-year Registered Nurse (RN) degree in Fairbanks in the fall of 2000.

TVC applied for and received a four year Perkins III grant for allied health programs.

In spring of 2000, Tanana Chiefs Conference contracted with the Diesel/Heavy Equipment Program to provide training in small engine repair to 12 students from villages in the Interior. The students learned to trouble-shoot and repair small engines.

TVC has been an active partner in the formation of the Fairbanks Job Center, or One Stop. The Job Center will be applying for certification from the Alaska Human Resource Investment Council under the guidelines of the federal Workforce Investment Act.

The Fire Science program, Health Technology program, and UAF Fire Department are working jointly to establish certificate and AAS degree programs in Emergency Medical Services with a statewide standard paramedic program curriculum.

Key Performance Measures for FY2002

Measure: Increase credit hour production by 3%.
(Not yet addressed by Legislature.)

Current Status:

- Fall 1998 credit hour production was 66,950
- Fall 1999 credit hour production was 66,487

Measure: Increase non-general fund revenues.
(Not yet addressed by Legislature.)

Current Status:

- FY99 NGF revenues as % of total BRU expenditures - 61.6%

- FY00 NGF revenues as % of total BRU expenditures - 62.5%

Measure: Maintain number of students participating in Voc Ed programs who are employed in Alaska
(Not yet addressed by Legislature.)

Current Status:

- 1997 graduates BRU Totals - 167 participants, 144 students are Alaska-employed (86.2%).
- 1998 participant BRU Totals - 2,243 participants, 1,691 are Alaska-employed (75.4%).*

*Note: Change from Voc Ed graduate to Voc Ed participant.

Status of FY2001 Performance Measures

	<i>Achieved</i>	<i>On track</i>	<i>Too soon to tell</i>	<i>Not likely to achieve</i>	<i>Needs modification</i>
<ul style="list-style-type: none"> • Increase credit hour production by 3%. • Increase non-general fund revenues. • Maintain number of students completing Voc Ed programs who are employed in Alaska 		X	X		

University of Alaska Fairbanks
BRU Financial Summary by Component

All dollars in thousands

	FY2000 Actuals				FY2001 Authorized				FY2002 Governor			
	General Funds	Federal Funds	Other Funds	Total Funds	General Funds	Federal Funds	Other Funds	Total Funds	General Funds	Federal Funds	Other Funds	Total Funds
Formula Expenditures None.												
Non-Formula Expenditures												
Alaska Cooperative Extension	2,741.5	2,242.3	290.2	5,274.0	2,949.1	3,021.8	441.0	6,411.9	2,949.1	3,021.8	441.0	6,411.9
Bristol Bay Campus	867.4	0.0	342.6	1,210.0	826.6	0.0	481.5	1,308.1	826.6	0.0	481.5	1,308.1
Chukchi Campus	567.6	0.0	60.4	628.0	534.0	0.0	145.7	679.7	534.0	0.0	145.7	679.7
Fairbanks Campus	60,766.0	6,021.4	60,674.9	127,462.3	63,923.3	9,766.3	82,711.6	156,401.2	64,091.9	9,366.3	81,914.2	155,372.4
Fairbanks Organized Research	10,816.9	33,872.8	30,747.9	75,437.6	11,232.8	41,056.4	43,646.4	95,935.6	11,232.8	41,056.4	43,646.4	95,935.6
Interior-Aleutians Campus	1,063.8	201.1	770.5	2,035.4	1,086.1	0.0	680.8	1,766.9	1,086.1	400.0	680.8	2,166.9
Kuskokwim Campus	1,882.3	0.0	1,152.4	3,034.7	1,970.2	224.3	1,329.6	3,524.1	1,970.2	224.3	1,329.6	3,524.1
Northwest Campus	1,288.3	0.0	233.2	1,521.5	1,307.2	0.0	276.1	1,583.3	1,307.2	0.0	276.1	1,583.3
Rural College	1,959.6	23.1	1,471.8	3,454.5	2,454.6	0.0	981.1	3,435.7	2,727.6	0.0	976.9	3,704.5
Tanana Valley Campus	2,374.6	18.8	2,388.6	4,782.0	2,399.1	50.9	3,063.1	5,513.1	2,489.1	50.9	3,063.1	5,603.1
Totals	84,328.0	42,379.5	98,132.5	224,840.0	88,683.0	54,119.7	133,756.9	276,559.6	89,214.6	54,119.7	132,955.3	276,289.6

University of Alaska Fairbanks

Proposed Changes in Levels of Service for FY2002

- The program emphasis in teacher preparation will shift dramatically toward a restructured B.Ed. - Elementary Education and 5th year programs. In particular, FY01 will be the first year in which UAF will accept no new students into existing B.Ed. elementary program, the first year for a full cohort of 5th year elementary students, and the first year in which entering freshmen may register for the BAS.
- Improved services to students will include a pilot program for utilizing online analysis of individual students' progress toward degrees as well as expanded freshman orientation and retention programs.

University of Alaska Fairbanks

Summary of BRU Budget Changes by Component

From FY2001 Authorized to FY2002 Governor

All dollars in thousands

	<u>General Funds</u>	<u>Federal Funds</u>	<u>Other Funds</u>	<u>Total Funds</u>
FY2001 Authorized	88,683.0	54,119.7	133,756.9	276,559.6
Adjustments which will continue current level of service:				
-Fairbanks Campus	168.6	-400.0	-797.4	-1,028.8
-Interior-Aleutians Campus	0.0	400.0	0.0	400.0
-Rural College	273.0	0.0	-4.2	268.8
-Tanana Valley Campus	90.0	0.0	0.0	90.0
FY2002 Governor	89,214.6	54,119.7	132,955.3	276,289.6