

Shaping Alaska's Future
Metric Framework
June 2014

Two different sets of metrics will be used to support and monitor progress on Shaping Alaska's Future effects:

- A) Shaping Alaska's Future Outcome Metrics – These measures are specific to issues of concern and are intended to quantify progress toward achieving desired Shaping Alaska's Future effects. Current, working sets of high-level metrics for each theme area follow starting on page 2.
- B) University of Alaska Key Indicators and Measures – Inputs, throughputs and outputs detailing UA's overall health, efficiency and effectiveness across mission areas and Shaping Alaska's Future themes. These are provided starting on page 7*.

An analysis of Shaping Alaska's Future metrics will be presented at the Board of Regent's meeting each September. The BOR will be informed of any updates in metrics being used and the reason(s) for changes. Discussion and analysis will address recent performance in context of historical trends, as well as meaningful near-term performance predictions, where possible. University- and campus-level analysis, where relevant to major system level changes and future outlook, will be collected through existing mechanisms such as university performance evaluations and student enrollment analyses, and reported in the Shaping Alaska's Future analysis.

It may take time to observe significant, sustained impacts of strategies and efforts on the desired effects. Variation over short reporting periods may not reflect a true negative or positive outcome; rather, success should be routinely and periodically evaluated in context of trend patterns and sustained changes over time.

Metrics will be considered with a focus toward the priorities and guidance provided each year by way of UA's various planning processes, including the annual budget development and distribution process.

A public, online dashboard tool will be developed and deployed over the next year to openly communicate progress on Shaping Alaska's Future themes, issues and effects.

* See <http://www.alaska.edu/swbir/ir/april14BORdefinitions.pdf> for short definitions and interpretations of each measure.

Shaping Alaska's Future Outcome Metrics

Theme 1: Student Achievement & Attainment

<u>Measure</u>	<u>Issue and Effect</u>	<u>Implementation & Timing</u>
Persistence and Graduation Rates	A	Full- and part-time students; Pell-eligible and minority students
Student Satisfaction Survey	B, C	Conduct every 3 years, starting FY16
Degree Recipient/Alumni Survey	C	Conduct every 3 years, next implementation FY15
Degree Recipients with Leadership, Service, Community Engagement Experience	C	Develop common tracking mechanism
Graduate Students With Externally Funded Assistantships	D	In Use
Bachelor Degree Recipients with Research/Creative Activity Experience	D	Develop common tracking mechanism
Non-Resident Undergraduate Applications and Majors	D	Available
Workforce/Industry Needs Met by Degree Recipients (Theme 3 Issue A)	F	Graduates qualified to meet Alaska's current workforce needs and post-training employment; all levels of awards from non-credit workforce credentials and occupational endorsements to post-baccalaureate degree and credentials, Teacher Education, Baccalaureate Engineering, Health; collaborative programs with other institutions

Shaping Alaska's Future Outcome Metrics

Theme 2: Productive Partnerships with Alaska's Schools

<u>Measure</u>	<u>Issue and Effect</u>	<u>Implementation & Timing</u>
Recent Alaska High School Graduates Prepared for College Level Coursework; and Subset Who Attend UA	A	In Use
Teacher Supply and Demand (CAEPR)	B	Include Teacher Retention by Urban/Rural Community and Proportion of UA-educated New Teacher Hires in Alaska
College-going Rate of Recent Alaska High School Graduates; and Subset Who Attend UA	C	Total; and for low income, minority

Shaping Alaska's Future Outcome Metrics

Theme 3: Productive Partnerships with Public Entities and Private Industries

<u>Measure</u>	<u>Issue and Effect</u>	<u>Implementation & Timing</u>
Industry Investments (\$)	A	Workforce Education; Research, Extension and other Service List of cooperative programs, including instructional programs, tailored in response to industry needs; number of graduates and post-training employment patterns; all levels of awards from non-credit workforce credentials and occupational endorsements to post-baccalaureate degree and credentials, Teacher Education, Baccalaureate Engineering, Health.
Workforce/Industry Needs Met by Degree Recipients (Theme 1 Issue F)	A	
Industry/Employer/Public Perception Survey	B	Conduct every 3 years, starting FY17
Focused Partnerships with Alaska Native Corporations, Tribal Governments, non-profits and other public and private entities	C	Annual list of all programs with focus on Education and Research; Student Success, and Economic and Cultural Development
Investment (\$) by Alaska Native Corporations, Tribal Governments, non-profits and other public and private entities	C	Develop common identification and tracking mechanism

Shaping Alaska's Future Outcome Metrics

Theme 4: Research & Development (R&D) and Scholarship to Enhance Alaska's Communities and Economic Growth

<u>Measure</u>	<u>Issue and Effect</u>	<u>Implementation & Timing</u>
Annual Publications Per Faculty	A, C	Systemwide Academic Council reviewing methodology options; subset Arctic Research
External Funding Per Research Faculty Full-Time Equivalent	A, C	Subset Arctic Research
Industry/Employer/Public Perception Survey	D	Conduct every 3 years, starting FY17
Outreach Contacts/Publications	D	Develop common definition and tracking mechanism
Invention Disclosures	A	In Use
Alaska Native Culture and Language Grants, Publications and Other Creative Activity	B	Develop common definition and tracking mechanism
Research Faculty Turnover and Retention Rates	E	Develop common definition and tracking mechanism

Shaping Alaska's Future Outcome Metrics

Theme 5: Accountability to the People of Alaska

<u>Measure</u>	<u>Issue and Effect</u>	<u>Implementation & Timing</u>
Proportion of Employees Evaluated Annually based on Shaping Alaska's Future Related Criteria	A	Develop tracking mechanism; start with Officers and Senior Administrators
UA Faculty, Staff and Administrator Diversity	B	Eliminate gap between proportion of Alaska population and proportion of UA employees.
Value of Facility to Program versus Building Condition (NAV)	C, F	Reduced Deferred Maintenance and Renewal & Repurposing Backlog
Facility Utilization Rate	C	All uses
Ratio of Expenditures to Outputs - Instruction, Research and IT	E	Instruction & Student Related (\$)/Degree Recipients; Research and Related (\$)/Research Faculty FTE; Direct and Indirect IT (\$) / Students, Faculty and Staff
Number and Descriptive List of UA-wide Collaboration Actions	E	Annual count and list
Student Satisfaction Survey	D	Conduct every 3 years, starting FY16
Industry/Employer/Public Perception Survey	D	Conduct every 3 years, starting FY17

University of Alaska

Key Indicators

	FY09	FY10	FY11	FY12	FY13	Change	
						FY09-FY13	
Annual Number of Students Taking For-Credit Courses	46,712	49,005	49,939	50,628	48,494	↑	4%
Associate and Certificate	7,808	8,962	9,951	10,266	9,845	↑	26%
Bachelor's	13,574	14,548	15,436	16,089	16,250	↑	20%
Graduate	3,052	3,290	3,393	3,458	3,439	↑	13%
Non-Degree Seeking	22,278	22,205	21,159	20,815	18,960	↓	-15%
Average Student Credit Hour Load	18.0	17.9	17.7	17.8	17.8	↔	-1%
% of Recent College Bound Alaska High School Graduates		47.5%		47.5%		↔	
% of Recent Alaska High School Graduates who Attend UA	27.6%	29.4%	29.0%	29.4%	29.3%	↑	6%
% of Alaskans who took UA Class (Calendar Year)	8.2%	8.4%	8.4%	8.1%	7.9%	↓	-4%
Student Learning Outcomes							
Degree, Certificates, Endorsements Awarded	3,427	3,754	3,983	4,174	4,491	↑	31%
High Demand Job Area (HDJA) Degrees Awarded	2,468	2,731	2,910	2,918	3,067	↑	24%
HDJA Grads Employed 1 Year Later	80.5%	80.5%	80.8%			↔	
Vocational Pre- to Post-Training Change in Average Wage Per Quarter	24.6%	21.1%	19.4%	17.9%		↔	
Bachelor's 150% Graduation Rate (Full-Time Only)	29.7%	27.7%	28.6%	28.2%	31.6%	↑	6%
Associate and Certificate 150% Graduation Rate (Full-Time)	13.7%	12.4%	12.4%	12.7%	11.3%	↓	-18%
Research & Creative Activity							
Grant Funded Research Expenditures (Millions)	\$120.2	\$131.0	\$138.0	\$132.7	\$129.8	↑	8%
Service							
Non-Credit Instructional Units Delivered	10,873	16,049	15,541	15,498	12,922	↑	19%
Outreach Publications	155,763	177,292	229,778	280,922	284,000	↑	82%
Facilities (Fall Semester)							
Sq. Ft. Per Faculty FTE	2,401	2,334	2,296	2,221	2,407	↔	0%
Sq. Ft. of Building 25 Years or Older (1000s)	4,202	4,356	4,802	4,898	5,033		20%
Deferred Maintenance & Revitalization Backlog in \$ Per Sq. Ft. (1000s)	917	1,065	1,157	1,186	1,201	↑	31%
Finance							
Viability Ratio	4.1	4.4	5.7	5.1	4.5	↑	10%
Return on Net Assets Ratio	-0.2	2.1	5.9	5.4	6.6	↓	
Alumni Giving (\$1000s)	\$628	\$671	\$788	\$1,123	\$896	↑	43%
Corporate Giving (\$1000s)	\$12,390	\$10,375	\$24,868	\$14,282	\$8,120	↓	-34%

Note: In the digital edition of this document, clicking on the name of the metric takes one to a corresponding brief interpretation and definition in the latter half of this document starting on p. 3.

Each arrow, under the change column, indicates the long-term, five-year, direction of a measure. Green arrows indicate measures that are trending in the desired direction while red arrows indicate those that may be trending differently than desired.

University of Alaska

Shaping Alaska's Future Measures

	FY09	FY10	FY11	FY12	FY13	Change FY09-FY13	
Theme I: Student Achievement & Attainment							
Grads who Earned Subsequent Graduate Degrees in 5 Years	9.4%	10.2%	10.6%	10.8%	11.1%	↑	18%
% of Degree-Seekers who Successfully Complete 30 Credits or More Per FY							
Bachelor's	13.0%	7.8%	12.9%	13.7%	15.0%	↑	15%
Associate & Certificate	4.1%	3.9%	3.7%	3.5%	4.4%	↑	7%
Preparatory Students who Successfully Complete College-Level Class in Math or English Within 1 Year							
Bachelor's	18.7%	14.4%	19.6%	18.1%	19.3%	↑	3%
Associate & Certificate	7.3%	8.0%	7.6%	5.9%	9.0%	↑	23%
Theme II: Productive Partnerships with Alaska's Schools							
APS Recipients Meeting Annual SCH Requirements				80%	84%	↑	
First-Time Freshmen Taking Math or English Preparatory Class							
Bachelor's	44%	47%	48%	50%	47%	↑	7%
Associate & Certificate	64%	62%	58%	65%	64%	↔	0%
First-Time Freshmen with Dual-Enrollment Credits	27%	27%	24%	23%	27%	↔	0%
Proportion of UA Educated New Teacher Hires	25%	23%	24%	17%			
Theme III: Productive Partnerships with Public Entities and Private Industry							
Graduates Working in Alaska	77.8%	78.6%	78.3%			↔	
Industry Investments in Workforce Education (\$1000s)	\$4,840	\$4,501	\$3,919	\$4,524	\$3,534	↓	-27%
Industry Investments in Research & Extension (\$1000s)	\$28,216	\$23,908	\$24,424	\$28,585	\$26,242	↓	-7%
Baccalaureate Engineering Degrees Earned at UA	94	148	137	143	156	↑	66%
Health Related Degrees Earned at UA	715	824	786	788	914	↑	28%
Theme IV: Research & Development (R&D) and Scholarship to Sustain Alaska's Communities & Economic Growth							
Ratio Non-General Fund: General Fund Research Revenue	5.7	5.2	5.6	5.3	5.2		-9%
Annual Number of Invention Disclosures	7	8	6	41	86	↑	1,129%
Theme V: Accountability to the People of Alaska							
Average Non-Loan Aid (\$) for Financial Aid Eligible Undergraduates							
Bachelor's	\$3,289	\$3,583	\$4,008	\$4,142	\$4,422	↑	34%
Associate & Certificate	\$2,397	\$2,660	\$2,950	\$2,963	\$3,026	↑	26%
% of Degree Seeking Undergraduates Receiving Pell	23.4%	22.6%	35.3%	36.3%	36.1%	↑	54%
Average Loan Debt for those with Loans							
Bachelor's	\$20,019	\$20,479	\$21,231	\$20,451			
Associate & Certificate	\$14,287	\$13,829	\$13,460	\$13,970			
Number of Programs Available by e-Learning							
50+%				244	258	↑	
100%				113	125	↑	
Average e-Learning Credits per Student	2.1	2.4	2.6	2.5	3.0	↑	43%
Loan Default Rate	7.2%	8.1%	8.6%				
Percent of Alaska population that is minority: 24.5% (2010 US Census), compared to percentage of UA that is minority in Fall semester:							
Faculty	9.9%	10.4%	10.6%	10.7%	10.6%	↑	7%
Staff	14.0%	15.3%	15.4%	14.7%	15.2%	↑	9%
Bachelor's	23.0%	26.2%	26.4%	26.8%	26.8%	↑	17%
Associate & Certificate	28.0%	30.5%	28.6%	28.5%	29.2%	↑	4%
Graduate Students	16.6%	18.0%	17.3%	17.3%	18.0%	↑	8%
Degree Recipients	20.2%	22.7%	20.7%	22.2%	22.0%	↑	9%
UA Tuition & Fees Compared with Peer Institutions							
4-Year as percent of WICHE Average	92.9%	87.3%	82.8%	76.0%	76.6%	↓	-18%
2-Year as percent of WICHE Average	223.5%	213.6%	212.5%	192.0%	193.3%	↓	-14%
Total Cost of Risk per \$1,000 in Operating Expenses	9.3	9.4	9.2	9.0			

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