

ANSEP students go from $8^{\text {th }}$ grade to a STEM BS degree in 5 years.

ANSEP.net

# ALASKA NATIVE SCIENCE \& ENGINEERING PROGRAM* (ANSEP) <br> LOGIC MODEL 

ASSESSING THE NEED INSTITUTIONAL

| UNVERSITY OF ALASKA | stem industay |
| :---: | :---: |
| Facully and staff - Student social and academic supports Research resources - State STEM carser preparrition student diversity and elimato for Alaske Natives | STEM workforce : Interaction with Alaska Native communitities Staff diversity and climate for Alaske Natives |

STUDENTS


Properation for and awarnosss of STEM ectucational and careor pathways
Mativation and cormmitment to STEM Farily and community resources

CONTEXT
INPUTS
FUNCTIONAL ACTIVITIES
Staffing and leaders

FUNGTIONAL ACTIVITIES
RECRUITMENT AND SELECTION

PARTNERSHIP AND RELATIONSHIP MANAGEMENT FINANCIAL MANAGEMENT FUNDRAIIING

MARKETING AND COMMUNICATIONS ALUMNI OUTREACH AND ACTIVITIES POLICY WORK AND ADVOCACY

| summer bridge | university success | graduate success |
| :---: | :---: | :---: |
|  |  | Scholarsh/pe and financlal support Supports and advising Academic ressarch skill-building Carser awareness and exposure to other universities universit Team-bullding work Exposure to Alaska Native and other mento |

PROGRAMMATIC ACTIVITIES (COMPONENTS)

OUTPUTS / SHORT-TERM OUTCOMES ALASKAK-12 SYstem unversity of alaska stem noustry


LONG-TERM OUTCOMES
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 Empowemment end leaderssip Cormitiment to Alaska Native community and Aleska

"Adapted from Urban institute (2015), Evaluation of the Alaska Native Science \& Engineering Program (ANSEP), Research Report, Urban Institute, January 26, 2015.


## ANSEP Components

## K- 5 Academy <br> K, 1st, 2nd, 3rd, 4th and 5th grade <br> Middle School Academy <br> 5 th, 6 th, 7 th and 8 th grade

STEM Career Explorations
Returning Middle School Students

## Acceleration Academy

9th-12th Grade

## Summer Bridge

 Incoming 1st year University StudentsUniversity Success
Undergraduate \& Graduate Students


## Alaska Grown PhD

Graduates Earn PhDs \& Return as Faculty


## ANSEP Components

K- 5 Academy
K, 1st, 2nd, 3rd, 4th and 5th grade



## ANSEP Components

## Middle School Academy

 5th, 6th, 7th and 8th grade






## ANSEP Components

## STEM Career Explorations

Returning Middle School Students




## ANSEP $8^{\text {th }}$ Grade Math Completion



## ANSEP Components

## Acceleration Academy 9th-12th Grade




$\xrightarrow[\text { ANSEP }]{\sim}$





## ANSEP Components

## Summer Bridge <br> Incoming 1st year University Students









## ANSEP Summer Bridge

Building a Strong Foundation for University and Professional Achievement


## ANSEP Components

## University Success <br> Undergraduate \& Graduate Students





## ANSEP University Success

## $75 \%$ <br> 78（8） <br> （4）（6） 8 <br> （12）（3） <br> 0ロロー

## Percentage of ANSEP

 students who havegraduated or are currently enrolled

## ANSEP Components

## Grow Our Own PhD <br> Graduates Earn PhDs \& Return as Faculty



## Expected Cost to Government per UAA Baccalaureate Degree

Using the Fall 2013 University Cohort \$289,000

ANSEP Acceleration High School \$92,333

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