

**University of Alaska**  
**Directory of Alaska Student**  
**Outreach and Recruitment Programs**

Prepared for

Karen Perdue, Associate Vice President  
Statewide Health Programs  
University of Alaska

**Revision 1**  
**March 2004**

---



# Table of Contents

<b>Introduction .....</b>	<b>1</b>
<b>Organization .....</b>	<b>1</b>
<b>Acknowledgments.....</b>	<b>2</b>
<b>University of Alaska Statewide Programs .....</b>	<b>3</b>
<b>University of Alaska Anchorage (UAA) Programs .....</b>	<b>4</b>
<b>University of Alaska Fairbanks (UAF) Programs.....</b>	<b>23</b>
<b>Alaska Native Corporation / Organization Programs.....</b>	<b>49</b>
<b>“Other” Programs .....</b>	<b>56</b>
<b>Appendix A – Pathway Activities Controlled Vocabulary List (CVL)</b>	
<b>Appendix B – Program Target Group Information CVLs</b>	



## Introduction

Health providers are well trained. However, finding the education and training these professionals need is not an easy task. The purpose of this inventory is to make finding out about health careers and their training requirements easier.

This is an inventory of primarily Alaska-based outreach and recruitment programs targeting K-12 and college students to pursue education and careers in health care, biomedical science, science, math, engineering, or technology. It also includes programs that target K-12 teachers with training, specialized experience, and/or curricula. Although it is a fairly comprehensive list, the landscape of student outreach, recruitment, and retention programs is very dynamic. Exciting new programs appear all the time. For this reason, no printed list is ever completely up to date.

You can help us keep this directory up to date. If your program or a valuable program you are familiar with is not included here, please let us know. Information on additional programs or corrections and updates to the records in this directory should be sent to Susan Means, Institute for Circumpolar Health Studies, University of Alaska Anchorage, 3211 Providence Drive, DPL 404, Anchorage, Alaska, 99508 or emailed to [ansmm3@uaa.alaska.edu](mailto:ansmm3@uaa.alaska.edu).

We hope you find this inventory useful. Over the next few months we expect to have the directory available on a University of Alaska website. This will allow easier searches for specific careers, updating of referral and inventory materials, and timely addition of new programs. Stay tuned!

## Organization

Records in this directory are organized into five sections:

- University of Alaska Statewide Programs
- University of Alaska Anchorage Programs
- University of Alaska Fairbanks Programs
- Alaska Native Corporation / Organization Programs
- "Other" Programs

Within each section, the records are arranged alphabetically by program title.

Each program is described in a short 1- to 2-page entry with the following information:

- Title
- Description
- Parent Organization
- Website (URL)
- Contact Information (Primary)
- Contact Information (Secondary)
- Mailing Address
- Pathway Activities, including a Primary Pathway Activity when appropriate
- Target Group Information (Ethnicity, Discipline, Age Range)

To assure consistency, we have used a controlled vocabulary or authority list for the Pathway Activities and Program Target Group Information entries. The controlled vocabulary lists are provided in Appendices A and B. As with the program records, if there are additional or alternative terms you think would be useful, please let us know.

## Acknowledgments

Many people and organizations have supported or contributed to this project. While the complete list of contributors is extensive, primary supporters include:

- Alaska Center for Rural Health, University of Alaska Anchorage
- Alaska Native Science Research Partnerships for Health, University of Alaska Anchorage
- Biomedical Research Infrastructure Network, University of Alaska
- College of Rural Alaska, University of Alaska Fairbanks
- Division of Health Sciences, University of Alaska Anchorage
- National Library of Medicine, Specialized Information Services
- Office of Statewide Programs, University of Alaska

## University of Alaska Statewide Programs

<b><u>Program Title</u></b>	<b>Alaska Natives into Psychology (ANPsych)</b>
<b><u>Program Description</u></b>	<p>ANPsych seeks to recruit and retain Alaska Natives in the field of psychology and other behavioral health fields. ANPsych provides classes that build vital transitioning skills, outreach and recruitment of Alaska Native high school and college students, stipends, scholarships, and research grants.</p> <p>ANPsych program objectives are to: 1) provide administrative, personal, and cultural support to assist students in successful career achievement; 2) develop psychology research and courses that reflect Native perspectives; 3) take a full circle approach to increase the number of Native students into psychology with emphasis on rural development; 4) connect students to elders in exploring cultural perspectives on behavior, health, environmental, and psychological well being; 5) provide per and faculty connections to the University and its diverse resources; 6) facilitate learning experiences, programs, and social gathering opportunities for students through peer advisors and the Connection Series classes; 7) support student research projects expanding knowledge and experience; 8) provide summer enrichment programs to Alaska Native students interested in psychology; and 9) develop partnership agreements between ANPsych, health consortiums, community groups, and state-wide agencies.</p>
	
<small>©2004 Microsoft Corporation.</small>	
<b><u>Parent Organization</u></b>	University of Alaska (Statewide)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/psych/anpsych/">http://www.uaf.edu/psych/anpsych/</a>
<b><u>Contact Information (Primary)</u></b>	Dr. Pam Deters, Director, ANPsych, <a href="mailto:pam.deters@uaf.edu">pam.deters@uaf.edu</a> , 907.474.5721
<b><u>Contact Information (Secondary)</u></b>	Kathy Graves, UAA Project Coordinator, <a href="mailto:anksg@uaa.alaska.edu">anksg@uaa.alaska.edu</a> , 907.786.6131 Dolly Scoville, UAF Project Coordinator, <a href="mailto:dollyscoville@uaf.edu">dollyscoville@uaf.edu</a> , 907.474.5285
<b><u>Program Mailing Address</u></b>	ANPsych Department of Psychology University of Alaska Fairbanks 704E Gruening, P.O. Box 756480 Fairbanks, AK 99775-6480
<b><u>Pathway Activities</u></b>	Academic Advising // Classroom Instruction // Grants // Outreach // Recruitment // Scholarships // Stipends // Training (Skill Building)
<b><u>Primary Pathway Activity</u></b>	Training (Skill Building)
<b><u>Program Target Group Information</u></b>	
<input type="radio"/> Ethnicity	Alaska Native or American Indian
<input type="radio"/> Discipline	Health Science
<input type="radio"/> Age Range	College

## University of Alaska Anchorage (UAA) Programs

<b><u>Program Title</u></b>	<b>Academic Center for Excellence (ACE)</b>
<b><u>Program Description</u></b>	<p>The Academic Center for Excellence (ACE) provides academic and support services for new and continuing students to enhance attainment of individual, educational, and life goals. ACE consists of the Advising and Counseling Center, AHAINA Student Programs, Educational Opportunity Center, Educational Talent Search, Native Student Services, Testing and Assessment, and Upward Bound. The departments that make up ACE promote student success, persistence, and retention through their varied programs. Academic advising, mentoring, tutorial services, university orientation, College Survival Skills courses, career and personal counseling are a few of the programs provided to enhance the personal, intellectual, and academic growth of the students ACE serves. ACE staff also provide academic interventions for the UAA Scholars program.</p> <p>ACE activities are designed to reflect the goals of the University. In order to accomplish this, ACE maintains close contact with the faculty and staff in all areas of the university. College Survival Skills (GUID A150) is an elective course designed to provide new students with the skills required to succeed in a university environment. Through outreach programs such as the Educational Opportunity Center, Educational Talent Search, and Upward Bound, ACE provides services to the area's diverse population, serving grades 6-12 as well as the adult re-entry student.</p>
	
<small>©2004 Microsoft Corporation.</small>	
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/aceweb/">http://www.uaa.alaska.edu/aceweb/</a>
<b><u>Contact Information (Primary)</u></b>	Vara Allen-Jones, <a href="mailto:vara@uaa.alaska.edu">vara@uaa.alaska.edu</a> , 907.786.6488
<b><u>Contact Information (Secondary)</u></b>	Tara Koeckritz, <a href="mailto:antek@uaa.alaska.edu">antek@uaa.alaska.edu</a> , 907.786.1015
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, UC 111 Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Academic Advising // Career Counseling // Mentoring // Outreach // Personal Counseling // Testing and Assessment // Training (Skill Building) // Tutoring
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Not Specified
○ Age Range	College

**Program Title**

**African American, Hispanic, Asian, International and Native American (AHAINA)**

**Program Description**

AHAINA's primary mission is to assist students of color in getting into school, staying in school, and graduating in a timely manner. The primary goal is to assist in the increased retention and graduation rate of students of color by providing them with an amiable and stimulating social and intellectual environment. The objectives of AHAINA are to create responsive and efficient student support systems that recruit, sustain, counsel, document, and also integrate students into the community.

One-to-one student support services include: 1) academic advising, 2) establishing rapport with students, 3) assistance in locating scholarships and grants, 4) departmental tuition waiver scholarships, 5) assistance in planning college course sequencing, 6) liaison for students between faculty and staff, 7) university orientation, and 8) information on various student internships.

AHAINA has several innovative programs, including a dedication ceremony at the end of each spring and fall semester to acknowledge students who have successfully completed all university requirements for graduation, and the Men and Women of Excellence Awards to recognize students who have excelled academically and contributed to improvements in their communities and in the UAA community.

Community outreach activities include: 1) collaborating with Enrollment Services to visit various high schools throughout the year to make prospective students aware of UAA and AHAINA services; 2) working with various federal, state, and local agencies throughout the Anchorage bowl to provide cultural programming for UAA students, staff, and the Anchorage community; 3) visiting churches, non-profits, and businesses to make them aware of the needs of AHAINA students at UAA; 4) providing information on AHAINA and UAA at various AHAINA-sponsored activities off-campus; 5) representing UAA on various boards and committees throughout the Anchorage area.

The emotional expectations of students are met through the provision of social and cultural activities. Peer advisors and support groups serve as important components of the educational services offered by AHAINA. The program is not intended to marginalize the services and education offered to student participants. AHAINA refers many of its students, on a case-by-case basis, to existing services available to the general student population. If, for some reason, this proves to be a mismatch, AHAINA then uses its resources to provide particular assistance.

Under the auspices of AHAINA, a Multicultural Student Center has been established. It is open for use by individuals and student clubs from any of the many different cultures represented on campus.

<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/ahaina/">http://www.uaa.alaska.edu/ahaina/</a>
<b><u>Contact Information (Primary)</u></b>	Yvonne Roland, <a href="mailto:anylr@uaa.alaska.edu">anylr@uaa.alaska.edu</a> , 907.786.4080
<b><u>Contact Information (Secondary)</u></b>	Ardis Mutini, <a href="mailto:anam@uaa.alaska.edu">anam@uaa.alaska.edu</a> , 907.786.6565
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, BEB Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Academic Advising // College Preparation // Financial Aid Advising // Outreach // Recognition Awards // Recruitment // Scholarships // Seminars // Student Center // Teaming (Peer Mentoring)
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Alaska Native or American Indian // Black or African American // Asian // Some Other Ethnicity
○ <b>Discipline</b>	Not Specified
○ <b>Age Range</b>	College

<b><u>Program Title</u></b>	<b>Alaska Native Science Research Partnerships for Health (ANSRPH)</b>
<b><u>Program Description</u></b>	<p>The Alaska Native Science Research Partnerships for Health (ANSRPH) was formed as a partnership between UAA's Division of Health Sciences and the Alaska Native Health Board. ANSRPH has a three-pronged approach to enhancing Alaska Native health research capabilities throughout the state. First, Alaska Natives will be mentored and trained to initiate and conduct health science research. Second, non-Native researchers will be trained to work effectively and respectfully in cross-cultural settings. Third, ANSRPH will develop agreements that foster health science research partnerships among various Alaska Native associations, health care delivery systems, and research organizations. In its initial stages, ANSRPH will partner with the Copper River Native Association for this purpose.</p> <p>The ANSRPH Research Core will work with an Alaska Native community-based health organization to identify research areas to address disparate conditions, provide a working relationship with multiple Alaska Native organizations that desire to conduct health research for their communities, and provide technical direction and oversight to the program's research projects. The Training and Mentoring Core will forge intern and mentor relationships for students to achieve successful research experience dealing with Alaska Native health topics. The Outreach Core will actively foster dialogue among members of the ANSRPH network, enhance community awareness regarding the need for research, and encourage students to enter and pursue careers in health science research.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.ichs.uaa.alaska.edu/ichs/ansrph/">http://www.ichs.uaa.alaska.edu/ichs/ansrph/</a>
<b><u>Contact Information (Primary)</u></b>	Susan Means, <a href="mailto:ansmm3@uaa.alaska.edu">ansmm3@uaa.alaska.edu</a> , 907.786.6523
<b><u>Contact Information (Secondary)</u></b>	Melodie Fair, <a href="mailto:anmdf@uaa.alaska.edu">anmdf@uaa.alaska.edu</a> , 907.786.6577
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, DPL 404 Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Academic Partnerships // Classroom Instruction // College Credits // Community Partnerships // Mentoring // Outreach // Stipends // Training
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Health Science
○ <b>Age Range</b>	Adult // College

<b><u>Program Title</u></b>	<b>Career Services Center (CSC)</b>
<b><u>Program Description</u></b>	The Career Services Center (CSC) provides a number of excellent career related services and resources. The CSC houses over one thousand career-related books in its library, covering subjects such as how to write a resume, interviewing skills, and where jobs can be found and how to prepare for your career. Students and alumni can register online to review hundreds of current job and career opportunities, post their resume, and establish an online credential file for employers to review. Other resources include a mentor program, videos, college catalogs, and a variety of literature and handouts to assist students on a career path or job search. Books may be checked out for a period of seven days with a UAA Wolfcard or Municipality of Anchorage library card. CSC also provides individuals and group career counseling, A Day In the Life program, a videotaped mock interview program, resume assistance, workshops, and campus and community presentations. The Center also hosts many well-known local and national employers to visit the campus for on-campus recruiting. CSC has several computers that are equipped with the AKCIS program, a self-directed computer program developed to assist the user in exploring career, financial, and educational information.
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaacareerservices.com">http://www.uaacareerservices.com</a>
<b><u>Contact Information (Primary)</u></b>	Michael Reeves, <a href="mailto:anmer@uaa.alaska.edu">anmer@uaa.alaska.edu</a> , 907.786.4513
<b><u>Contact Information (Secondary)</u></b>	Lindsay Washek, <a href="mailto:anlel@uaa.alaska.edu">anlel@uaa.alaska.edu</a>
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, BEB Anchorage, AK 9950
<b><u>Pathway Activities</u></b>	Career Counseling // Government & Industry Partnerships // Job Shadowing // Library // Mentoring // Seminars // Testing and Assessment
<b><u>Program Target Group Information</u></b>	
o Ethnicity	Not Specified
o Discipline	Not Specified
o Age Range	College

<b><u>Program Title</u></b>	<b>Educational Opportunity Center (EOC)</b>
<b><u>Program Description</u></b>	<p>The main goal of the Educational Opportunity Center (EOC) is to provide information and assistance to low income first generation adults so that they might become enrolled in post-secondary education. Services provided by the EOC include: career planning, educational advising, college and vocational / technical school selection, school admission assistance, financial aid advising, financial aid application assistance, basic computer skills, tutorial assistance, and federal student loan default rehabilitation.</p> <p>The Center is one of over 139 EOCs located throughout the United States and Puerto Rico. Operating in the Anchorage community for 25 years, EOC has served over 49,500 individuals in their educational and career planning endeavors.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/askeoc/">http://www.uaa.alaska.edu/askeoc/</a>
<b><u>Contact Information (Primary)</u></b>	Helen Trainor, <a href="mailto:anhet@uaa.alaska.edu">anhet@uaa.alaska.edu</a> , 907.274.5522
<b><u>Contact Information (Secondary)</u></b>	Jan Jones, <a href="mailto:anjki@uaa.alaska.edu">anjki@uaa.alaska.edu</a>
<b><u>Program Mailing Address</u></b>	500 L Street, Ste. 501 Anchorage, AK 99501
<b><u>Pathway Activities</u></b>	Academic Advising // Career Counseling // Financial Aid Advising // Training (Skill Building) // Tutoring
<b><u>Program Target Group Information</u></b>	
o Ethnicity	Not Specified
o Discipline	Not Specified
o Age Range	Adult

<b><u>Program Title</u></b>	<b>Educational Talent Search (ETS)</b>
<b><u>Program Description</u></b>	Educational Talent Search (ETS) helps 6th through 12th grade students achieve success in school and in their futures. ETS prepares students to successfully continue education beyond high school. Services include academic advising, career exploration, study skills, tutoring, college planning, goal setting, and more. Funded by a federal Department of Education grant, ETS is a TRIO project and is free to low income students whose parents did not attend or complete college.
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/enroll/catalog/0001/ch04.html">http://www.uaa.alaska.edu/enroll/catalog/0001/ch04.html</a>
<b><u>Contact Information (Primary)</u></b>	Helen Trainor, <a href="mailto:anhet@uaa.alaska.edu">anhet@uaa.alaska.edu</a> , 907.274.5522
<b><u>Contact Information (Secondary)</u></b>	Ardis Mutini, <a href="mailto:anam@uaa.alaska.edu">anam@uaa.alaska.edu</a> , 907.786.6563
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, BEB Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Academic Advising // Career Counseling // Training (Skill Building) // Tutoring
<b><u>Program Target Group Information</u></b>	
o Ethnicity	Not Specified
o Discipline	Not Specified
o Age Range	High School

<b><u>Program Title</u></b>	<b>Internship for Native Student Training and Education Program (INSTEP)</b>
<b><u>Program Description</u></b>	<p>The INSTEP program is designed to increase the number of Alaska Native and American Indians entering federal service as a career. Qualified students are screened and placed in internships on the basis of their interest, academic background, future career goals, and agency needs. While working with sponsoring agencies, INSTEP interns also earn college credits.</p> <p>Program participants must be members of a federally-recognized Alaska Native Corporation, Village Corporation, or Indian Nation. Participants must successfully complete 30 college credits, including English A111. At the successful completion of the program, students are awarded three credits for a required survey course (Introduction to Native American Federalism and Federal Public Service in Alaska) and three credits for the Internship Independent Study component, for a total of six college credits. A full scholarship, including room, board, and an educational stipend is provided.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/nss">http://www.uaa.alaska.edu/nss</a>
<b><u>Contact Information (Primary)</u></b>	Willy Templeton, <a href="mailto:afwgt@uaa.alaska.edu">afwgt@uaa.alaska.edu</a> , 907.786.4000
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, BEB Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	College Credits // Internships // Government & Industry Partnerships // Scholarships // Stipends // Training (Skill Building)
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Alaska Native or American Indian
○ <b>Discipline</b>	Not Specified
○ <b>Age Range</b>	College

<b><u>Program Title</u></b>	<b>Learning Resource Center (LRC)</b>
<b><u>Program Description</u></b>	<p>The Learning Resource Center (LRC) offers a friendly and relaxed atmosphere for students to read, study, work on supplemental materials, or get extra help for a class. The LRC houses a large quiet study area and an open area that is available for individuals and small work groups. In addition, the LRC has a language laboratory, a math laboratory, a computer-assisted writing laboratory, an open-access computer laboratory, and audio-visual study areas. The Instructor Reserve area maintains a collection of print, audio-visual, and computerized supplemental course materials placed on reserve for student use by University faculty.</p> <p>Students have free access to peer tutors to help with mathematics, languages, and preparatory English as a second language. The LRC also maintains a registry of tutors available for private tutoring for a variety of subjects. Other services include laser printing, copy machines, laminating equipment, and document binding equipment to assist students in preparing class projects and reports; and test proctoring for students enrolled in correspondence courses.</p> <p>The LRC strives to provide educational support and service to all UAA students and faculty, and to serve as change agent on the UAA campus, to research, model, and facilitate new educational approaches and technologies.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/lrc">http://www.uaa.alaska.edu/lrc</a>
<b><u>Contact Information (Primary)</u></b>	Jonell Saucedo, <a href="mailto:anjfs@uaa.alaska.edu">anjfs@uaa.alaska.edu</a> , 907.786.6828
<b><u>Contact Information (Secondary)</u></b>	Michele Melaney, <a href="mailto:anmmm@uaa.alaska.edu">anmmm@uaa.alaska.edu</a> , 907.786.6829
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, SMB Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Library // Practice Laboratory // Study Area // Tutoring
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Not Specified
○ Age Range	College

<b><u>Program Title</u></b>	<b>National High School Students Summer Research Apprentice Program</b>
<b><u>Program Description</u></b>	<p>The purpose of the program is to increase the number of ethnic minorities who are involved in biomedical research. The program is designed to provide students with an opportunity to work at a biomedical facility (usually a college or university) near their homes. The intent is to give an introduction to almost every facet of the biomedical research community. From creation of a research plan to presentation of that research, student researchers will develop the requisite skills and attributes to effectively enter the post-secondary biomedical academic world.</p> <p>Each student is paired with a seasoned researcher and assigned to a research team. Students work with staff on a specific biomedical research project. The 8-week program provides students with real experiences including opportunities to learn what biomedical research is by being actively involved in a project, be a member of a team to understand collective responsibility, and visit Washington, D.C. and participate in a project competition at the National Institutes of Health office. Parents are invited and often attend the presentations to support and applaud their student's work.</p>
<b><u>Parent Organization</u></b>	NIH / NIDDK – Charles R. Drew University of Medicine and Science
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.niddk.nih.gov/fund/divisions/omhrc/SRAP.pdf">http://www.niddk.nih.gov/fund/divisions/omhrc/SRAP.pdf</a>
<b><u>Contact Information (Primary)</u></b>	John Gregoire, <a href="mailto:anjmg2@uaa.alaska.edu">anjmg2@uaa.alaska.edu</a> , 907.786.1210
<b><u>Contact Information (Secondary)</u></b>	Emma Taylor, <a href="mailto:emtaylor@cdrewu.edu">emtaylor@cdrewu.edu</a> , 800.300.2487
<b><u>Program Mailing Address</u></b>	1731 E. 120 <sup>th</sup> Street, Room 3080 Los Angeles, CA 90059
<b><u>Pathway Activities</u></b>	Classroom Instruction // Mentoring // Residential Program (Summer) // Teaming (Peer Mentoring)
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Any Minority / Underrepresented Population
○ Discipline	Health Science
○ Age Range	High School

<b><u>Program Title</u></b>	<b>Native Student Services (NSS)</b>
<b><u>Program Description</u></b>	Native Student Services (NSS) provides quality support services to Native and rural students. It promotes scholastic achievement, student retention, and personal growth. The NSS Center offers a safe, affirming place where students can receive academic advising, scholarship information, and general support. The NSS lounge is available for study with classmates and interaction with students who share similar experiences as indigenous peoples. The Center houses the CIRI Success Computer Lab and offers summer internships and college introductory programs. NSS staff provide education / vocational planning, academic advising, career counseling, financial aid and referrals to other resources as needed.
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/nss/">http://www.uaa.alaska.edu/nss/</a>
<b><u>Contact Information (Primary)</u></b>	Willy Templeton, <a href="mailto:afwgt@uaa.alaska.edu">afwgt@uaa.alaska.edu</a> , 907.786.4000
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, BEB Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Academic Advising // Career Counseling // Financial Aid Advising // Internships // Student Center
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Alaska Native or American Indian
○ <b>Discipline</b>	Not Specified
○ <b>Age Range</b>	College

<b><u>Program Title</u></b>	<b>Alliances of Learning and Vision for underrepresented America (ALVA)</b>
<b><u>Program Description</u></b>	<p>ALVA is a nine-week summer internship (bridging) program for entering freshmen that pays students up to \$6,000 for college. ALVA is part of UAA's Itqanaiyagvik program that gives Alaskan Native high school students scholarships for successfully completing the program. ALVA is a stepping stone into UAA's Alaska Native Student Engineering Program (ANSEP).</p> <p>The daily schedule includes a two-hour math class, two hours of collaborative study, and six hours per day working as interns with one of the program's industrial partners. Students get to work with engineers and scientists at each company doing something they are interested in. There are also field trips to places like Prudhoe Bay and planned group activities like laser tag, go-karts, movies or other things on Friday evening and Saturday.</p> <p>Housing is provided on the University of Alaska Anchorage campus in the new residence halls. Each participant gets a private single room. Participants receive a \$3,000 scholarship at the end of the summer they can use at any university.</p> <p>ALVA's industrial partners pay all of the participants' Anchorage-based expenses. Industrial partners include: Arctic Slope Regional Corporation, BP Exploration, First Alaskans Institute, and NANA.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.engr.uaa.alaska.edu/ansep/ALVAOverview.html">http://www.engr.uaa.alaska.edu/ansep/ALVAOverview.html</a>
<b><u>Contact Information (Primary)</u></b>	Dr. Herb Schroeder, <a href="mailto:herb@uaa.alaska.edu">herb@uaa.alaska.edu</a> , 907.786.1860
<b><u>Contact Information (Secondary)</u></b>	Tracey Mueller, <a href="mailto:tracey@uaa.alaska.edu">tracey@uaa.alaska.edu</a> , 907.786.1074
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, ENGR Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Classroom Instruction // Internships // Residence Hall // Residential Program (Summer) // Scholarships
<b><u>Program Target Group Information</u></b>	
o Ethnicity	Alaska Native or American Indian
o Discipline	Science & Math // Technology
o Age Range	High School

<b><u>Program Title</u></b>	<b>Alaska Native Science &amp; Engineering Program (ANSEP)</b>
<b><u>Program Description</u></b>	<p>The objective of ANSEP is to effect a systemic change in the hiring patterns of Alaska Natives in the professions by increasing the number of individuals on a career path to leadership in industry and academia. ANSEP is a comprehensive suite of outreach, recruitment, retention and placement strategies designed to help students fulfill their potential in college, sustain their interest in science, technology, engineering, and math (STEM), and develop an interest in graduate study. According to NSF, the national average retention rate for Native Americans in engineering programs is 27%. The program life retention rate for ANSEP is 73%. This program represents a new paradigm for engineering &amp; science education wherein students are actively engaged with professional scientists and engineers from high school through graduate school.</p> <p>ANSEP is collaborative effort between the National Science Foundation, Alyeska Pipeline Service Company, BP Exploration, VECO, Arctic Slope Regional Corporation (ASRC), NANA, First Alaskans Institute (FAI), Alaska Native Tribal Health Consortium (ANTHC), Yukon Kuskokwim Health Corporation (YKHC), UAA, Alaska Native communities and regional corporations, other companies in the oil industry, and the professional engineering and construction industry.</p> <p>ANSEP targets undergraduates who have shown an interest or aptitude for math and science fields in high school, when they entered college, or during their college career. The students form an academic learning community, many living together on campus or in Alyeska House and co-enrolling in classes, so that wherever possible they are part of a shared experience. ANSEP students are required to successfully complete an eight-week engineering internship each summer, maintain satisfactory academic progress, and participate in ANSEP activities including weekly seminars where professionals from the community come to meet with the students and explain what they do.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.engr.uaa.alaska.edu/ansep/ANSEPOverview.htm">http://www.engr.uaa.alaska.edu/ansep/ANSEPOverview.htm</a>
<b><u>Contact Information (Primary)</u></b>	Dr. Herb Schroeder, <a href="mailto:herb@uaa.alaska.edu">herb@uaa.alaska.edu</a> , 907.786.1860
<b><u>Contact Information (Secondary)</u></b>	Tracey Mueller, <a href="mailto:tracey@uaa.alaska.edu">tracey@uaa.alaska.edu</a> , 907.786.1074
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, ENGR Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Internships // Mentoring // Residence Hall // Seminars // Teaming (Peer Mentoring)
<b><u>Program Target Group Information</u></b>	
o <b>Ethnicity</b>	Alaska Native or American Indian
o <b>Discipline</b>	Science & Math // Technology
o <b>Age Range</b>	College

<b><u>Program Title</u></b>	<b>Technology Applications and Learning for Professional Achievement (TALPA)</b>
<b><u>Program Description</u></b>	<p>TALPA is an outreach component of the suite of Pacific Alliance recruitment, retention, and placement strategies. TALPA is intended to build excitement around science and engineering with high school students. TALPA brings computer technology to remote communities, provides high school students with a vision of a career in science and engineering, connects students with professional in industry and academia, provides industrial partners with a technologically trained workforce, and develops the enabling infrastructure to sustain the effort long term.</p> <p>Using and enhancing links developed within the Alliance between Indigenous American communities, academia, industry, and government agencies, TALPA establishes modern computer laboratories in remote rural communities in each Alliance partner state. The TALPA site coordinator manages the lab. Partners provide space, utilities, and Internet access. The program targets high school juniors and seniors. All participating students are required to maintain a college ready high school curriculum. In the lab, juniors assemble the computers and learn to use AutoCAD, FrontPage, and other appropriate software. Each summer an intense 3-week TALPA Summer Software Camp is conducted where students become more proficient in the use of software needed by industrial partner organizations. The next year, when those juniors are seniors, they help the new batch of juniors as well as do low priority for-profit work for the industrial partners. To motivate students, they earn scholarship money for use at Alliance Universities when they complete significant milestones like build a computer, learn a fixed set of skills in a software application, successfully complete the software camp, and so on. In the summer after graduation, TALPA students transition to the Alliances of Learning and Vision for underrepresented Americans (ALVA) summer bridging program.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.engr.uaa.alaska.edu/ansep/TALPAOverview.htm">http://www.engr.uaa.alaska.edu/ansep/TALPAOverview.htm</a>
<b><u>Contact Information (Primary)</u></b>	Dr. Herb Schroeder, <a href="mailto:herb@uaa.alaska.edu">herb@uaa.alaska.edu</a> , 907.786.1860
<b><u>Contact Information (Secondary)</u></b>	Tracey Mueller, <a href="mailto:tracey@uaa.alaska.edu">tracey@uaa.alaska.edu</a> , 907.786.1074
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, ENGR Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Academic Partnerships // Classroom Instruction // Community Partnerships // Government & Industry Partnerships // Residential Program (Summer) // Scholarships // Training (Skill-Building)
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Alaska Native or American Indian
○ Discipline	Science & Math // Technology
○ Age Range	High School

<b><u>Program Title</u></b>	<b>Raven's Quest Summer Institute</b>
<b><u>Program Description</u></b>	<p>Raven's Quest Summer Institute is an 8-week summer day program that includes classroom activities, guest speakers, workshops, and 75 hours of job shadowing. Participants explore career opportunities in the behavioral health field within rural Alaska, gain on-the-job experiences with behavioral health professionals in the field, increase their knowledge of cultural diversity and sensitivity issues and their impact in the behavioral health field, and learn about behavioral health degree programs within the University of Alaska. The program targets currently enrolled University of Alaska students with <i>undeclared majors</i> who have an interest in exploring careers in the behavioral health field in rural Alaska.</p> <p>Classes take place on the University of Alaska Anchorage campus. Job shadowing activities take place in a variety of behavioral health organizations throughout Anchorage. Transportation to and from job sites is provided in Anchorage. Classes and activities take place from 8am to 5pm, Monday through Friday. All students selected for the Summer Institute receive a \$480/week stipend for eight weeks to help cover the costs of room, board, and transportation. Summer Institute staff assist students in securing on-campus housing and transportation resources.</p> <p>Students have the option of enrolling for up to six (6) credits during the Summer Institute. Students who elect to receive credits are responsible for paying tuition.</p>
<b><u>Parent Organization</u></b>	Alaska Center for Rural Health (ACRH) University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.ichs.uaa.alaska.edu/acrh/ravensquest/">http://www.ichs.uaa.alaska.edu/acrh/ravensquest/</a>
<b><u>Contact Information (Primary)</u></b>	Janice Troyer, <a href="mailto:anjkt1@uaa.alaska.edu">anjkt1@uaa.alaska.edu</a> , 907.786.6592
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, DPL 404 Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Classroom Instruction // Seminars // Job Shadowing // Stipends
<b><u>Primary Pathway Activity</u></b>	Classroom Instruction // Seminars // Job Shadowing
<b><u>Program Target Group Information</u></b>	
o <b>Ethnicity</b>	Not Specified
o <b>Discipline</b>	Health Science
o <b>Age Range</b>	College

<b><u>Program Title</u></b>	<b>Recruitment and Retention of Alaska Natives into Nursing (RRANN)</b>
<b><u>Program Description</u></b>	The RRANN program is designed to recruit and assist Alaska Native and American Indian students in their nursing education endeavors. It provides mentoring, tutoring, stipend funding, and on-campus housing opportunities to students seeking a nursing degree. It is dedicated to encouraging personal growth within an academic community that recognizes individual strengths and cultural diversity. RRANN can help students plan for admission to UAA and provide support throughout the degree program by answering questions about the different degree programs and course requirements.
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.nursing.uaa.alaska.edu/rrann/rrann2.htm">http://www.nursing.uaa.alaska.edu/rrann/rrann2.htm</a>
<b><u>Contact Information (Primary)</u></b>	Dr. Tina DeLapp, <a href="mailto:aftdd@uaa.alaska.edu">aftdd@uaa.alaska.edu</a> , 907.786.6978
<b><u>Contact Information (Secondary)</u></b>	Mary Sue Anderson, <a href="mailto:anmca@uaa.alaska.edu">anmca@uaa.alaska.edu</a> , 877.891.4321
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, K 101B Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Academic Advising // Mentoring // Residence Hall // Stipends // Tutoring
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Alaska Native or American Indian
○ Discipline	Health Science
○ Age Range	College

<b><u>Program Title</u></b>	<b>U-DOC / Della Keats Enrichment Program</b>
<b><u>Program Description</u></b>	<p>The Alaska U-DOC / Della Keats Enrichment Program is a six-week intensive summer program offered through the University of Alaska WWAMI Program and Native Student Services for minority, rural, and disadvantaged students who are interested in careers in medicine. Students must be juniors or seniors in high school. The goal of U-DOC is to foster, affirm, and encourage high school students' interest in the medical professions by allowing them to explore health careers and to obtain a valuable introduction to college life. Applicants must be Alaska residents with a strong interest in the health professions. Underrepresented minority, rural-area, first generation, and/or economically disadvantaged students are encouraged to apply. Stipends are available to help with the costs of participating in this program.</p> <p>Program areas include: 1) pre-medical curriculum overview; 2) problem-solving, writing, and test-taking skills, 3) library and computer research skills, including the Internet; 4) MCAT practice/mock interviews; and 5) exposure to health care careers.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/biomed/WWAMIudoc.htm">http://www.uaa.alaska.edu/biomed/WWAMIudoc.htm</a>
<b><u>Contact Information (Primary)</u></b>	Allison Butler, <a href="mailto:udoc@uaa.alaska.edu">udoc@uaa.alaska.edu</a> , 907.786.4793
<b><u>Contact Information (Secondary)</u></b>	John Gregoire, <a href="mailto:anjmg2@uaa.alaska.edu">anjmg2@uaa.alaska.edu</a> , 907.786.1210
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, ENGR Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Classroom Instruction // Mentoring // Residential Program (Summer) // Stipends // Training (Skill-Building)
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Any Minority / Underrepresented Population
○ <b>Discipline</b>	Health Science
○ <b>Age Range</b>	High School

<b><u>Program Title</u></b>	<b>University Honors Program</b>
<b><u>Program Description</u></b>	<p>The University Honors Program is designed to provide enhanced educational and personal opportunities for UAA students leading to a designation of University Honors Scholar upon graduation. The program offers interdisciplinary courses, academic advising and mentoring, leadership and scholarship opportunities, smaller classes and guided individual research, community involvement, and interaction with Honors peers committed to academic excellence. Above all, the program helps students develop a competitive edge for career options as well as for admission to the best graduate and professional schools in the nation.</p> <p>In addition to the University Honors Program, several departments at UAA offer departmental Honors programs. Students may complete both University and departmental honors requirements with dual designations upon graduation.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/honors">http://www.uaa.alaska.edu/honors</a>
<b><u>Contact Information (Primary)</u></b>	Marian Mitchell, <a href="mailto:anmkm@uaa.alaska.edu">anmkm@uaa.alaska.edu</a> , 907.786.1086
<b><u>Contact Information (Secondary)</u></b>	Ronald Spatz, <a href="mailto:afrms1@uaa.alaska.edu">afrms1@uaa.alaska.edu</a> , 907.786.1057
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, BEB Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Academic Advising // Classroom Instruction // College Credits // Mentoring // Residence Hall // Scholarships // Teaming (Peer Mentoring)
<b><u>Program Target Group Information</u></b>	
o Ethnicity	Not Specified
o Discipline	Not Specified
o Age Range	College

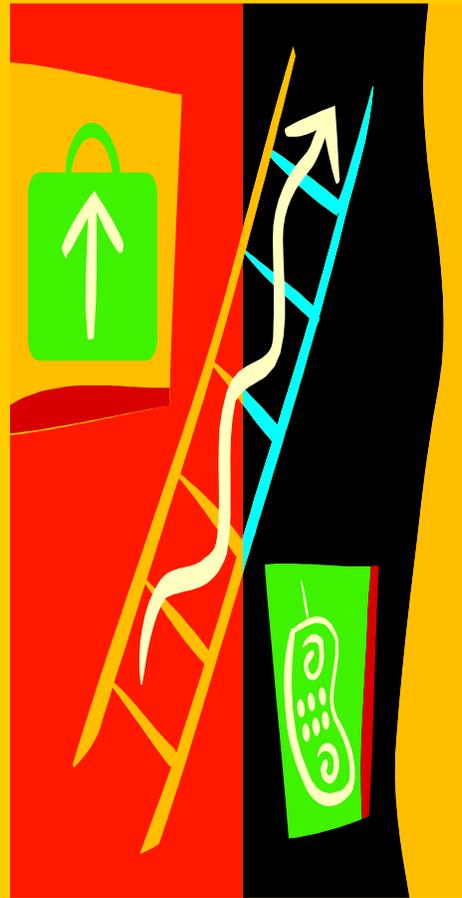
<b><u>Program Title</u></b>	<b>Biomedical Program (WWAMI)</b>
<b><u>Program Description</u></b>	<p>The UAA Biomedical Program is an affiliate of the University of Washington School of Medicine WWAMI Program, a cooperative agreement between the University of Washington and the states of Washington, Wyoming, Alaska, Montana and Idaho. Support of WWAMI by the State of Alaska allows ten qualified Alaska residents admission to the University of Washington School of Medicine each year.</p> <p>Students apply to the University of Washington School of Medicine; upon admission, they complete their first year of medical school at UAA. The first year of training involves basic sciences and an introduction to clinical medicine.</p>
<b><u>Parent Organization</u></b>	University of Alaska Anchorage (UAA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaa.alaska.edu/biomed/">http://www.uaa.alaska.edu/biomed/</a>
<b><u>Contact Information (Primary)</u></b>	Dr. Ray Bailey, <a href="mailto:afspb@uaa.alaska.edu">afspb@uaa.alaska.edu</a> , 907.786.4789
<b><u>Contact Information (Secondary)</u></b>	Dr. Quentin Reuer, <a href="mailto:afqbr@uaa.alaska.edu">afqbr@uaa.alaska.edu</a> , 907.786.1747
<b><u>Program Mailing Address</u></b>	3211 Providence Drive, ENGR Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Academic Partnerships // Classroom Instruction
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Health Science
○ <b>Age Range</b>	College

## University of Alaska Fairbanks (UAF) Programs

### Program Title

### **Alaska 4-H Fisheries, Natural Resource and Youth Development Program**

### Program Description



©2004 Microsoft Corporation.

The Alaska 4-H Fisheries, Natural Resources and Youth Development program began in June 1991 in ten Yukon River drainage communities. At the outset, the objectives of the program included increasing the numbers of fish in the Yukon River, enhancing the management of the fisheries, and educating people about the fisheries. The program has now grown and expanded north and south to include over 70 communities in 31 school districts across the state.

The program is designed to train village youth in science and math skills through fishery biology and hands-on learning. It is a far-reaching and long-term educational and community effort requiring the support of state, schools, and residents of many Alaskan villages. It is supported by a U.S. Department of Agriculture, Cooperative State Research Education and Extension Service grant to the Alaska Cooperative Extension Service—*Sustainable Development in Alaska's Underserved Rural Communities*.

An annual teacher in-service has become the key to success of the in-school fisheries science education program. Teachers representing schools participating in the 4-H Fisheries, Natural Resource, and Youth Development program attend the annual teacher in-service over a three-day weekend in Fairbanks during September. First year teachers have a full day devoted just to their needs. They are provided with basic information to learn about aquarium set-up, equipment maintenance, daily and weekly procedures, permit requirements, water chemistry, and report writing. Many additional topics are presented to assist teachers in using natural resource and fisheries management issues to develop critical thinking skills in math, science, social studies, and language arts.

### Parent Organization

University of Alaska Fairbanks (UAF), Alaska Cooperative Extension Service

### Program Website Address (URL)

<http://www.uaf.edu/ces/4h/fisheries/>

### Contact Information (Primary)

Peter J. Stortz, [ffpjs@uaf.edu](mailto:ffpjs@uaf.edu), 907.746.9459

### Contact Information (Secondary)

Meg Burgett, [pnasb@uaa.alaska.edu](mailto:pnasb@uaa.alaska.edu), 907.683.0885

### Program Mailing Address

Palmer Research Center  
533 E. Fireweed  
Palmer, AK 99645

### Pathway Activities

Curricula // Training (Skill Building)

### Program Target Group Information

- Ethnicity
- Discipline
- Age Range

Not Specified  
Science & Math  
High School // K-12 Educators

<b><u>Program Title</u></b>	<b>American Indian Science &amp; Engineering Society (AISES)</b>
<b><u>Program Description</u></b>	<p>AISES is a national, non-profit organization that nurtures building of community by bridging science and technology with traditional Native values. Through its educational programs, AISES provides opportunities for Alaska Natives and American Indians to pursue studies in science, engineering, technology, and other academic areas. These graduates will be able to assume roles in which Native leaders manage and develop their lands and resources. The objective of AISES is to assist Alaska Native and American Indian students with the academic, financial, and cultural challenges of college life. AISES' ultimate goal is to be a catalyst for the advancement of Alaska Natives and American Indians as they seek to become self-reliant and self-determined members of society.</p> <p>The national AISES organization was formed in 1977 by a group of American Indian scientists and engineers. Current AISES membership includes over 3,400 members composed of scientists, researchers, engineers, and college and pre-college students. There are over 150 college chapters throughout the U.S. and Canada. AISES programs include the national American Indian science fair, pre-college summer academic programs, teacher training, a K-12 education newsletter, an environmental camp, curriculum development such as the Science of Alcohol modules, a book catalog, and the Winds of Change magazine. The majority of AISES resources are used to support college students.</p> <p>AISES is designed for Native students studying science and engineering, but all students in all majors are welcome. At UAF, most of the members are majoring in engineering, computer science, wildlife biology, math, natural sciences, health careers, and math / science education.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/aises/">http://www.uaf.edu/aises/</a>
<b><u>Contact Information (Primary)</u></b>	Sue McHenry, <a href="mailto:fnsim@uaf.edu">fnsim@uaf.edu</a> , 907.474.7871
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	c/o Rural Student Services P.O. box 756320 Fairbanks, AK 99775-6320
<b><u>Pathway Activities</u></b>	Academic Partnerships // Community Partnerships // Curricula // Government & Industry Partnerships // Internships // Mentoring // Networking // Publications // Seminars // Scholarships
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Alaska Native or American Indian
○ <b>Discipline</b>	Science & Math // Technology
○ <b>Age Range</b>	College // High School // Middle School // Elementary School // K-12 Educators

<b><u>Program Title</u></b>	<b>Alaska Native Knowledge Network</b>
<b><u>Program Description</u></b>	<p>The Alaska Native Knowledge Network is designed to serve as a resource for compiling and exchanging information related to Alaska Native knowledge systems and ways of knowing. It has been established to assist Native people, government agencies, educators, and the general public in gaining access to the knowledge base that Alaska Natives have acquired through cumulative experience over millennia. One tool offered by the Alaska Native Knowledge Network is the <i>Handbook for Culturally Responsive Science Curriculum</i>.</p> <p>The Alaska Federation of Natives (AFN) and the University of Alaska, with support from the National Science Foundation (NSF), have formed the Alaska Native / Rural Education Consortium to provide support for the integration of Alaska Native knowledge and ways of knowing into the educational systems of Alaska.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.ankn.uaf.edu/">http://www.ankn.uaf.edu/</a>
<b><u>Contact Information (Primary)</u></b>	<a href="mailto:fyankn@uaf.edu">fyankn@uaf.edu</a> , 907.474.5086
<b><u>Contact Information (Secondary)</u></b>	Frank Hill, <a href="mailto:fnfwh@uaf.edu">fnfwh@uaf.edu</a> , 907.274.3611
<b><u>Program Mailing Address</u></b>	
<b><u>Pathway Activities</u></b>	Curricula // Website
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Not Specified
○ Age Range	Not Specified

<b><u>Program Title</u></b>	<b>Alaska Summer Research Academy (ASRA)</b>
<b><u>Program Description</u></b>	<p>The Alaska Summer Research Academy (ASRA) is an Alaskan summer camp presented by the College of Science, Engineering and Mathematics at UAF. The program focuses on the fields of science, engineering, and computer technology and is based in the Natural Sciences Facility on the UAF campus. The ten-day camp is offered each June and is open to enthusiastic students in grades 8-12 who love to learn and have fun, have at least a 2.5 GPA, and have a teacher who will attest to the student's desire to excel.</p> <p>In this unique program, students live in dorms on the UAF campus and work alongside faculty and staff to conduct scientific research and/or explore engineering and computer science by day. Evenings on campus are filled with recreation and adventure. Among the goals of ASRA are to excite middle and high school students about the sciences and the fields of engineering and computer science, prepare them for challenging academic curricula and careers, and introduce them to life on a college campus.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/csem/asra">http://www.uaf.edu/csem/asra</a>
<b><u>Contact Information (Primary)</u></b>	Patty Fisher, <a href="mailto:fnpjf@uaf.edu">fnpjf@uaf.edu</a> , 907.474.1867
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	P.O. Box 755940 Fairbanks, AK 99775-5940
<b><u>Pathway Activities</u></b>	Residential Program (Summer) // Mentoring // College Preparation
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Science & Math // Technology
○ <b>Age Range</b>	High School

<b><u>Program Title</u></b>	<b>Biomedical Research Infrastructure Network (BRIN)</b>
<b><u>Program Description</u></b>	<p>The goal of Alaska BRIN is to broaden and strengthen Alaska's capacity and performance in biomedical research, with an emphasis on increased R01 funding for proposals submitted by UA faculty. The key strengthening mechanisms will be new faculty, seed project support, instrumentation, student mentoring. BRIN also establishes an Alaskan community for recruiting and training biomedical researchers and promoting research collaboration through the creation of a new statewide inter-campus BRIN Network. The Network will foster communication so that the universities become more responsive to the many Alaskan environmental health constituencies.</p> <p>BRIN research will be centered on contaminants in subsistence species and aimed at elucidating the molecular mechanisms underlying contaminant-induced diseases and disorders. Building from the expanding suites of state and federal environmental databases on contaminant incidence across Alaska and from the widespread concerns about contaminants and food safety in the Native communities of the state, we intend to explore the potentially deleterious effects of contaminants. Three factors: 1) concern that contaminants generated at low latitudes may be deposited at high latitudes, 2) their persistence in our cold climate leading to accumulation at high levels, and 3) the predominance of subsistence non-agricultural foods in the diets of rural Alaskans, combine to make Alaska an especially auspicious site for the analysis of the impact of contaminants on human health. Our research focus will be in the field of contaminant toxicogenomics. The Alaska BRIN is targeted to the National Institute of Environmental Health (NIEHS).</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.alaska.edu/brin/">http://www.alaska.edu/brin/</a>
<b><u>Contact Information (Primary)</u></b>	Dr. George M. Happ, <a href="mailto:george.happ@alaska.edu">george.happ@alaska.edu</a> , 907.474.5492
<b><u>Contact Information (Secondary)</u></b>	Sue Hills, <a href="mailto:shills@ims.uaf.edu">shills@ims.uaf.edu</a> , 907.474.5106
<b><u>Program Mailing Address</u></b>	P.O. Box 757040 Fairbanks, AK 99775-7040
<b><u>Pathway Activities</u></b>	Mentoring // Networking // Recruitment
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Biomedical
○ Age Range	High School // College

<b><u>Program Title</u></b>	<b>Center for Alaska Native Health Research (CANHR)</b>
<b><u>Program Description</u></b>	<p>The Center for Alaska Native Health Research (CANHR) was established through a five-year grant awarded by the National Institutes of Health (NIH), National Center for Research Resources (NCRR) to the University of Alaska Fairbanks. The funding comes through a program for Centers of Biomedical Research Excellence (COBRE). The purpose of CANHR is to investigate weight, nutrition, and health in Alaska Natives. CANHR approaches this thematic focus from a genetic, dietary, and cultural-behavioral perspective. This project has been and is being developed in partnership with the Yukon-Kuskokwim Health Corporation (YKHC). The Center has offices at UAF and at the University of Alaska Anchorage (UAA).</p> <p>CANHR's primary goal is to build research capacity so that it can become a contributor to knowledge about factors that will help improve the health of Alaska Natives. UAF and UAA both lack the numbers and breadth of health and biomedical researchers necessary to conduct research that will make such contributions. One of the most important goals of CANHR is to hire new researchers who will begin to increase the capacity of the university to conduct biomedical research. In working with YKHC, CANHR anticipates being able to provide funding to allow for local hires both for coordination as well as in the collection of data for the research endeavors.</p> <p>CANHR Pilot Research Awards are intended to foster development of outstanding research scientists at the University of Alaska working in research that addresses health concerns and disparities of Alaska Natives. Awards are designed to support activities that will lead to a new proposal for sustainable, extramural funding. Candidates must have a clinical or research doctoral degree and a research or academic appointment or affiliation at the University of Alaska, and also demonstrate the potential to develop into an excellent researcher able to obtain funding through the NIH (R01, R21, etc.), or comparable research institute (e.g., USDA, DoD, NSF).</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.alaska.edu/canhr/">http://www.alaska.edu/canhr/</a>
<b><u>Contact Information (Primary)</u></b>	Dr. Gerald Mohatt, <a href="mailto:ffgvm@uaf.edu">ffgvm@uaf.edu</a> , 907.474.6415
<b><u>Contact Information (Secondary)</u></b>	Michelle Dondanville, <a href="mailto:fnmad1@uaf.edu">fnmad1@uaf.edu</a> , 907.474.6230
<b><u>Program Mailing Address</u></b>	Center for Alaska Native Health Research (CANHR), UAF Irving I, Room 311, P.O. Box 757000 Fairbanks, AK 99775-7000
<b><u>Pathway Activities</u></b>	Community Partnerships // Grants
<b><u>Program Target Group Information</u></b>	
o Ethnicity	Not Specified
o Discipline	Health Science
o Age Range	College

<b><u>Program Title</u></b>	<b>Department of Career Services</b>
<b><u>Program Description</u></b>	The UAF Department of Career Services is a community leader in assisting individuals to implement career choices. Utilizing strong partnerships with local, statewide, and national community members, the Department provides career counseling and job search advising to UAF students, alumni, staff, and faculty.
<b><u>Parent Organization</u></b>	Division of Student Affairs University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/career/">http://www.uaf.edu/career/</a>
<b><u>Contact Information (Primary)</u></b>	Kevin O'Connor, <a href="mailto:fnkeo@uaf.edu">fnkeo@uaf.edu</a> , 907.474.7596
<b><u>Contact Information (Secondary)</u></b>	Leah Smith, <a href="mailto:fnlss@uaf.edu">fnlss@uaf.edu</a> Patti Picha, <a href="mailto:fnplp@uaf.edu">fnplp@uaf.edu</a> Alice Palen, <a href="mailto:Fnaep@uaf.edu">Fnaep@uaf.edu</a>
<b><u>Program Mailing Address</u></b>	P.O. Box 756380 Fairbanks, AK 99775
<b><u>Pathway Activities</u></b>	Career Counseling // Government & Industry Partnerships // Internships // Job Shadowing // Mentoring // Recruitment // Testing and Assessment
<b><u>Primary Pathway Activity</u></b>	Career Counseling
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Not Specified
○ Age Range	Not Specified

<b><u>Program Title</u></b>	<b>Direct Grant to Educators Program</b>
<b><u>Program Description</u></b>	<p>The UAF College of Rural Alaska (CRA) provides grants to classroom teachers, non-formal educators, and UAF faculty supporting students in grades 9-12 within the service areas of five regional CRA extended campuses. The Direct Grant to Educators Program, sponsored by the U.S. Department of Agriculture, provides funding for innovative projects designed to promote the understanding of sound scientific and/or mathematical concepts using phenomena unique to Alaska.</p> <p>Goals of the program are: 1) at the regional level, to be a catalyst for change to bring together segments of the community to begin and perpetuate a focused discussion on the comprehensive educational needs in the region, including the role of higher education, credit, non-credit, vocational, and Cooperative Extension course offerings; 2) to demonstrate viability of the UAF's College of Rural Alaska Extended Campuses and Cooperative Extension Service and network with and partner with rural secondary schools in the integration of Mathematics and Science into selected natural resources curriculum modules, to enhance learning and increase course relevance to Alaskan rural communities and to the Alaskan economy; and 3) to adapt and modify curricular materials to encompass a broad range of subjects including mathematics, science, technology, history, Alaska Native cultures, and language arts.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF), College of Rural Alaska (CRA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://ruralalaskaeducation.org/index.html">http://ruralalaskaeducation.org/index.html</a>
<b><u>Contact Information (Primary)</u></b>	Tony Nakazawa, <a href="mailto:fmatn@uaf.edu">fmatn@uaf.edu</a> , 907.474.7246
<b><u>Contact Information (Secondary)</u></b>	Drena McIntyre, <a href="mailto:fndmm1@uaf.edu">fndmm1@uaf.edu</a> , 907.474.7835
<b><u>Program Mailing Address</u></b>	UAF/CES P.O. Box 756180 Fairbanks, AK 99775-6180
<b><u>Pathway Activities</u></b>	Curricula // Grants
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Science & Math // Technology
○ <b>Age Range</b>	K-12 Educators

<b><u>Program Title</u></b>	<b>Alaska Experimental Program to Stimulate Competitive Research (EPSCoR)</b>
<b><u>Program Description</u></b>	<p>Alaska EPSCoR is a university-state partnership that builds Alaska-based research. NSF requires the program to address national scientific priorities. Alaska EPSCoR has chosen to focus on physiology, genomics, engineering, and contaminants and support training of students for the 21<sup>st</sup> century technologically-based workforce.</p> <p>The Alaska Rural Research Partnerships (ARRP) link rural elementary and high school students and their teachers with researchers at the University of Alaska (UA) in original research projects that are community-relevant. The participants include the University of Alaska, elementary and high schools, HPCompaq, Microsoft, and GTE. The goals of the ARRP program are: 1) enrich science education in rural schools, 2) encourage rural students to consider science and engineering careers, and 3) involve more rural students in scientific research activities in their villages.</p> <p>Undergraduate Summer Research Internship Internal Awards are available to all UA campuses and other public/private undergraduate institutions in Alaska. At the end of the summer each intern is required to submit a final report.</p> <p>The Undergraduate Research Opportunities Program is a collaborative funding opportunity established to stimulate participation by undergraduate students in research and other scholarly and creative projects at the University of Alaska Fairbanks. The program is run by the Office of Sponsored Programs. It is designed to encourage a close working relationship between a student and a member of the UAF faculty. The project should primarily be the student's, but a faculty member must be involved through all stages of the project. Inclusion of multiple students with a single project is discouraged. While research will be emphasized, any scholarly activity pursued in collaboration with a faculty member is eligible for consideration. Projects must involve research, scholarly works, or creative projects in the sense that they must be focused on the discovery of new facts, development of creative works, or they may be directed towards discovery of scientific principles. A student may submit a proposal in one or both of the following two categories—student research awards, student research-related travel awards.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.alaska.edu/epscor/ed_out.html">http://www.alaska.edu/epscor/ed_out.html</a>
<b><u>Contact Information (Primary)</u></b>	Dr. George Happ, <a href="mailto:george.happ@alaska.edu">george.happ@alaska.edu</a> , 907.474.5492—EPSCoR
<b><u>Contact Information (Secondary)</u></b>	Heather Heineken, <a href="mailto:fnhlh@uaf.edu">fnhlih@uaf.edu</a> , 907.474.7314—Undergraduate Research Opportunities Program

**Program Mailing Address**

Alaska EPSCoR  
University of Alaska Fairbanks  
Arctic Health Research Building, Room 182  
P.O. Box 757040  
Fairbanks, AK 99775-7040

**Pathway Activities**

Academic Partnerships // Community Partnerships //  
Government & Industry Partnerships // Internships // Mentoring //  
Stipends

**Program Target Group Information**

- Ethnicity
- Discipline
- Age Range

Not Specified  
Science & Math  
College // High School // Middle School // Elementary School //  
K-12 Educators

<b><u>Program Title</u></b>	<b>Research Experience for Undergraduates (REU) Solid Earth Geophysics Program</b>
<b><u>Program Description</u></b>	<p>The REU Solid Earth Geophysics Program provides an opportunity for full-time undergraduates majoring in geology, geophysics, physics, or related physical science programs to gain research experience in the field of Solid Earth Geophysics. The program is only open to undergraduate students who will not graduate before September 2004 and are U.S. citizens or permanent residents of the U.S.</p> <p>Research fields include seismology, volcanology, paleomagnetism, geochronology, geochemistry, geodesy, structural geology, tectonics and sedimentation, glacier, permafrost and sea ice studies, and remote sensing. The types of work include mathematical analysis, computer programming, instrumentation, data collection and analysis, and some opportunities for field work.</p> <p>Students will be assigned to work in one of three 4-member project teams under the supervision of a project team mentor and will develop a research project that can be completed during the summer. Each project team will have a research emphasis. Team 1—Seismology and Deformation in Alaska; Team 2—Geochronology, Petrology, and Volcanology in Alaska; and Team 3—Remote Sensing in Alaska. Students will have a chance to participate in the type of research activity in which he or she would participate as a graduate student and will work alongside graduate students and other members of the research staff. Applicants will work 40 hours per week for approximately 10 weeks and will be paid \$9.75 per hour. A major portion of the travel expenses will also be paid. Students will stay in campus housing for a reasonable fee, and are invited to participate in all social and recreational programs available to University of Alaska Fairbanks summer session students.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF), Geophysical Institute (GI)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.avo.alaska.edu/Seis/Input/interns/geophysics.html">http://www.avo.alaska.edu/Seis/Input/interns/geophysics.html</a>
<b><u>Contact Information (Primary)</u></b>	Dr. Doug Christensen, <a href="mailto:interns@giseis.alaska.edu">interns@giseis.alaska.edu</a> , 907.474.7426
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	Geophysical Institute University of Alaska Fairbanks P.O. Box 757320 Fairbanks, AK 99775-7320
<b><u>Pathway Activities</u></b>	Internships // Mentoring // Residential Program (Summer) // Stipends // Teaming (Peer Mentoring)
<b><u>Program Target Group Information</u></b>	
o <b>Ethnicity</b>	Not Specified
o <b>Discipline</b>	Science & Math
o <b>Age Range</b>	College

**Program Title**

**Research Experience for Undergraduates (REU)  
Space / Atmospheric Physics Program**

**Program Description**

The REU Space / Atmospheric Physics Program provides an opportunity for full-time undergraduates majoring in Physics or closely related Physical Science programs to gain research experience in fields of Space and Atmospheric Sciences conducted by the Geophysical Institute as well as solid state and theoretical physics activities in the Physics Department. Participating interns will be offered work such as mathematical analysis, computer programming, instrumentation, data analysis or field work. The programming may involve the development of graphical computer diagnostics. Much of the instrumentation work is associated with assembly, testing, and calibration of laboratory and field equipment for optical observations by spectroscopy and imaging. Data analysis may include work on data from records on weather, climate, geomagnetic field variations, and auroral occurrences. Often, analysis projects require the assembly of data from different stations and preparing suitable graphical displays.

The Geophysical Institute operates the Poker Flat Research Range for rocket launches and as a geophysical observatory. Associated with Range activity, a number of remote stations are operated in remote parts of Alaska. In addition, the Institute participates in Space Physics studies at the Longyearbyen Optical Station in the Svalbard Archipelago, South Pole, Antarctica, Mount John, New Zealand, and the HAARP facility in Alaska. Among the shop and service facilities are a computer center with a network of work stations throughout the building and high-speed connections to the University of Alaska Cray YMP supercomputer. In addition, we have machine, electronic, and photographic shops. The Institute library has 40,000 volumes and 350 journals and magazines. Institute staff includes 60 faculty members on joint appointment with the Physics, Geology/Geophysics, or Engineering Departments. The total staff is 385.

Interns are assigned to work under the supervision of a faculty member and given a project that can be completed in the 10 weeks duration of an intern's participation in the program. Interns have the opportunity to participate in the type of research activity assigned to graduate students and typically will work alongside graduate students and other members of the research and support staff. The pay is \$9.75 per hour, and the expectation is that interns will work a 40 hour week for 10 weeks. Dormitory housing is available and recommended. In addition, interns are entitled to participate in the social and recreational programs organized by the University of Alaska for resident students. The program will provide partial support for travel costs to Alaska.

**Parent Organization**

University of Alaska Fairbanks (UAF), Geophysical Institute (GI)

**Program Website Address (URL)**

<http://ozone.gi.alaska.edu/reu/index.html>

<b>Contact Information (Primary)</b>	Roger Smith, <a href="mailto:roger.smith@gi.alaska.edu">roger.smith@gi.alaska.edu</a> , 907.474.7416
<b>Contact Information (Secondary)</b>	
<b>Program Mailing Address</b>	Geophysical Institute University of Alaska Fairbanks P.O. Box 757320 Fairbanks, AK 99775-7320
<b>Pathway Activities</b>	Internships // Mentoring // Residential Program (Summer) // Stipends // Teaming (Peer Mentoring)
<b>Program Target Group Information</b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Science & Math
○ <b>Age Range</b>	College

**Program Title**

**Global Learning and Observations to Benefit the Environment (GLOBE)**

**Program Description**

The GLOBE program is an international hands-on environmental science and education program that connects K-12 students, teachers, and scientists around the world for research collaboration and cross-cultural enrichment. The GLOBE program involves more than 10,000 schools in more than 95 countries. The goals of GLOBE are to: 1) enhance the environmental awareness of individuals worldwide, 2) increase scientific understanding of the earth, and 3) improve student achievement in science and mathematics. The Center for Global Change and Arctic Science Research at the University of Alaska Fairbanks works cooperatively within the University of Alaska statewide system to undertake responsibility for recruiting GLOBE schools, training GLOBE teachers, and mentoring GLOBE students throughout Alaska.

Teachers receive special training and educational materials for implementing the GLOBE program. These include skill level-appropriate procedures for standardized scientific environmental measurements and learning activities on environmental topics that have been developed by a team of GLOBE scientists and educators. To ensure the usefulness of GLOBE student data for scientific research, environmental scientists from many nations have participated in selecting GLOBE environmental measurements, developing measurement procedures, and ensuring overall quality control of data. Scientists around the world use GLOBE data in environmental research.

Students under the guidance of GLOBE trained teachers measure locally and learn globally as they increase in their understanding of the Earth and the interconnected Earth systems of atmosphere, hydrosphere, geosphere, and biosphere. GLOBE students: 1) make a core set of environmental observations at or near their schools; 2) report their data through the Internet to a GLOBE data processing facility; 3) receive and use global images created from worldwide GLOBE school data; and 4) study environmental topics in their classrooms. GLOBE students are able to communicate through the computer with other students in other parts of the U.S. or the world. They also have access to GLOBE scientists. An important dimension of the GLOBE project is the mentoring not only between scientists and teachers, and scientists and students, but between older students and younger students within or between schools.

**Parent Organization**

University of Alaska Fairbanks (UAF)

**Program Website Address (URL)**

<http://www.cgc.uaf.edu/Globe>

**Contact Information (Primary)**

Dr. Elena Sparrow, [ffbs@uaf.edu](mailto:ffbs@uaf.edu), 907.474.7699

**Contact Information (Secondary)**

**Program Mailing Address**

GLOBE Program  
University of Alaska Fairbanks  
309 O'Neill Bldg.  
P.O. Box 757200  
Fairbanks, AK 99775-7200

**Pathway Activities**

Academic Partnerships // Community Partnerships // Curricula //  
Mentoring // Teaming (Peer Mentoring) // Training

**Program Target Group Information**

- Ethnicity
- Discipline
- Age Range

Not Specified  
Science & Math  
High School // Middle School // Elementary School // K-12  
Educators

<b><u>Program Title</u></b>	<b>Learning Resource Center (LRC)</b>
<b><u>Program Description</u></b>	<p>The LRC is located at the UAF Downtown Center, with outreach tutoring and labs for development students on the main campus. LRC staff help students improve and expand skills needed to be successful in university classes. Individualized instruction and tutoring in mathematics, writing, reading, grammar, spelling, and study skills are provided.</p> <p>LRC staff help students identify problem areas in courses and assist in developing personal study plans and skills. Students may work with course materials or LRC resources. A variety of learning options are available, including tutoring, lab courses, workshops, independent and small group study, and computer-assisted learning programs. Students may use the audiovisual aids, typewriters, computers, quiet study carrels, and other resource materials.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/catalog/current/services/serv01.html">http://www.uaf.edu/catalog/current/services/serv01.html</a>
<b><u>Contact Information (Primary)</u></b>	Marjorie Illingworth, <a href="mailto:ffmli@uaf.edu">ffmli@uaf.edu</a> , 907.455.2827
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	P.O. Box 756350 Fairbanks, AK 99775-6350
<b><u>Pathway Activities</u></b>	College Preparation // Practice Laboratory // Seminars // Study Area // Tutoring
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Not Specified
○ Age Range	College

**Program Title**

**Alaska Tsunami – National Ocean Sciences Bowl (NOSB)**

**Program Description**

Each winter, Alaska holds a regional ocean sciences competition as part of the National Ocean Sciences Bowl. The Alaska regional NOSB consists of a jeopardy-style quiz and a research project, each of which counts 50 percent toward the winning score. Teams of four students each compete against each other in a timed quiz, and they give oral presentations as part of the research project component. The winning team competes against other regional teams from across the United States.

The goal of this competition is to recognize and reward excellence among students interested in ocean studies. The bowl also aims to encourage high school students, their teachers, and parents to increase their knowledge of the oceans and to broaden awareness of the critical value of ocean research.

For the quiz portion of the competition, students must answer a multiple-choice or short-answer question. The game is organized as a series of matches in a round-robin/double-elimination format. In each match, two teams compete against each other and the clock, trying to be the fastest to answer the toss-up questions. There are also team challenge questions that are more complex and require critical analysis. For the research project component, students must prepare an in-depth research document on a specific ocean-related question or problem and must give an oral presentation of their work.

Prizes are donated by a number of individuals and organizations and in the past have included one-year tuition waivers from UAF and \$250 scholarships to the winning team members, \$100 scholarships to the 2<sup>nd</sup> and 3<sup>rd</sup> place team members and to the 1<sup>st</sup> place team in the overall research project, \$1000 from Alaska Sea Grant for the coach/school of the winning research project, several classroom awards from the faculty and staff of the School of Fisheries and Ocean Sciences, a digital camera from Alaska Sea Grant to the coach of the Best of Show winner in the art competition. Additionally, the overall winning team receives a free trip to compete in the finals against the other regional winners.

Specific objectives of the NOSB are to: 1) broaden awareness and understanding of high school students, teachers, and parents of the latest scientific research on the oceans and on the critical impact of the oceans on global climate and weather, economic well-being, history, and culture; 2) create an ideal opportunity to expose teachers to the value and excitement of using the oceans as a tool for both disciplinary and cross-disciplinary science education, teaching biology, physics, chemistry, geology and math integrated into the study of the ocean; and 3) provide an opportunity for university oceanographic research programs and facilities to develop new links with the pre-college communities in their respective regions.

<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF), School of Fisheries and Ocean Sciences; and Alaska Sea Grant College Program
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/seagrant/nosb/">http://www.uaf.edu/seagrant/nosb/</a>
<b><u>Contact Information (Primary)</u></b>	Phyllis Shoemaker, <a href="mailto:fnpas1@uaf.edu">fnpas1@uaf.edu</a> , 907.224.4312
<b><u>Contact Information (Secondary)</u></b>	907.224.4312
<b><u>Program Mailing Address</u></b>	P.O. Box 730 Seward, AK 99664
<b><u>Pathway Activities</u></b>	Recognition Awards // Scholarships
<b><u>Program Target Group Information</u></b>	
○ <b><u>Ethnicity</u></b>	Not Specified
○ <b><u>Discipline</u></b>	Science & Math
○ <b><u>Age Range</u></b>	High School // K-12 Educators

<b><u>Program Title</u></b>	<b>Observing Locally, Connecting Globally (OLCG)</b>
<b><u>Program Description</u></b>	<p>The Observing Locally, Connecting Globally (OLCG) project is funded by the National Science Foundation through a grant to the University of Alaska Fairbanks entitled “Global Change Education Using Western Science and Native Observations.” The overall goal of this three-year program is to provide Alaskan teachers and students opportunities to engage in original global change research and to promote global change education in Alaska. These research studies address the need for locally relevant, inquiry-oriented science education appropriate for the diverse multi-graded and multicultural teaching situations in Alaska.</p> <p>The OLCG project seeks to engage and support teachers, students and community members as they investigate climate change issues. We do so by providing an intensive summer institute for educators followed by ongoing support throughout the year. These efforts include attention to integrating Native knowledge and western science; best practices in science and math education; and the international GLOBE curriculum. This approach is intended to enhance the cultural well-being and the science and math abilities of students.</p> <p>During the 2-week summer institute, project staff, guest elders and scientists help teachers learn to integrate local environmental observations into classroom studies and environmental monitoring efforts. Teachers learn to do protocols from the international “Global Learning and Observations to Benefit the Environment” curriculum (GLOBE). They also focus on using best teaching practices in science and math education and on authentic uses of technology in order to develop a well-rounded and developmentally appropriate understanding of global change topics. Teachers are then supported as they integrate these ideas into their classrooms.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/olcg/">http://www.uaf.edu/olcg/</a>
<b><u>Contact Information (Primary)</u></b>	Dr. Elena Sparrow, <a href="mailto:ffebs@uaf.edu">ffebs@uaf.edu</a> , 907.474.7699
<b><u>Contact Information (Secondary)</u></b>	Martha Kopplin, <a href="mailto:mkopplin@northstar.k12.ak.us">mkopplin@northstar.k12.ak.us</a> , 907.456-5469
<b><u>Program Mailing Address</u></b>	317 O’Neill Building P.O. Box 756480 University of Alaska Fairbanks Fairbanks, AK 99775
<b><u>Pathway Activities</u></b>	Academic Partnerships // Community Partnerships // Training
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Science & Math // Technology
○ <b>Age Range</b>	Elementary School // Middle School // High School // K-12 Educators

<b><u>Program Title</u></b>	<b>Rural Alaska Science and Mathematics Network (RASMN)</b>
<b><u>Program Description</u></b>	<p>The Rural Alaska Science and Mathematics Network is devoted to providing college courses, and college preparatory courses, for rural students in their home community. High school students and individuals who have already completed high school, or high school equivalency, are eligible to apply. Applicants must have an interest in pursuing careers that rely on a strong background in mathematics and/or the sciences.</p> <p>Distance-delivered courses are offered through the University of Alaska Fairbanks (UAF) and University of Alaska Southeast (UAS) remote campuses. The program provides advising and tutoring to rural-based students pursuing careers that require academic preparation in mathematics or the sciences. The courses emphasize the development of effective study skills and critical thinking.</p> <p>RASMN program also seeks opportunities for students to experience “hands-on” work in summer internships and work/study programs in science and mathematics related fields.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/rasmn/">http://www.uaf.edu/rasmn/</a>
<b><u>Contact Information (Primary)</u></b>	Kelly Dickerson, <a href="mailto:fnkmd1@uaf.edu">fnkmd1@uaf.edu</a> , 907.474.7420
<b><u>Contact Information (Secondary)</u></b>	877.606.7422
<b><u>Program Mailing Address</u></b>	Rural Alaska Science and Mathematics Network College of Rural Alaska University of Alaska Fairbanks P.O. Box 756500 Fairbanks, AK 99775-6500
<b><u>Pathway Activities</u></b>	Academic Advising // Classroom Instruction // College Credits // College Preparation // Internships // Tutoring
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Science & Math
○ <b>Age Range</b>	High School // Adult

<b><u>Program Title</u></b>	<b>Regional Resilience and Adaptation (RR&amp;A)</b>
<b><u>Program Description</u></b>	<p>University of Alaska Fairbanks (UAF) Interdisciplinary Graduate Education and Research Training (IGERT) program designed to train scholars, policymakers, and managers to address issues of regional sustainability in an integrated fashion. This program prepares students to address a major challenge facing humanity—To sustain the desirable features of Earth's ecosystems and society at a time of rapid changes in all of the major forces that shape their structure and functioning. The program emphasizes high-latitude ecosystems, and incorporates cross-cultural communication through heavy involvement with the Alaska Native community and with managers, businesses, and conservation groups.</p> <p>The program offers training at the Ph.D. and Masters levels. Students receive a degree in the academic department that represents their disciplinary strength, but take RR&amp;A core training that provides interdisciplinary courses and research experience in several fields. The program is associated with numerous research programs at the University of Alaska and in state and federal agencies. These research programs provide interdisciplinary research opportunities for RR&amp;A students. The program provides training to graduate students from the University of Alaska and other universities who wish to enroll for one year of intensive course work. A seminar program is provided as well. Faculty mentorship and internships in areas outside each student's parent discipline are available. NSF-funded fellowships to Ph.D. candidates entering the program are offered. Additional funding is available to both Ph.D. and Masters students through participating departments.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.regional-resilience.uaf.edu/">http://www.regional-resilience.uaf.edu/</a>
<b><u>Contact Information (Primary)</u></b>	Terry Chapin, <a href="mailto:terry.chapin@uaf.edu">terry.chapin@uaf.edu</a> , 907.474.7922
<b><u>Contact Information (Secondary)</u></b>	Gary Kofinas, <a href="mailto:ffgpk@uaf.edu">ffgpk@uaf.edu</a> , 907.474.7078
<b><u>Program Mailing Address</u></b>	IGERT Program Institute of Arctic Biology 212 Irving I Bldg. P.O. Box 757000 Fairbanks, AK 99775
<b><u>Pathway Activities</u></b>	Academic Advising // Academic Partnerships // Classroom Instruction // College Credits // Community Partnerships // Government & Industry Partnerships // Grants // Seminars
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Not Specified
○ Age Range	College

<b><u>Program Title</u></b>	<b>Rural Alaska Honors Institute (RAHI)</b>
<b><u>Program Description</u></b>	<p>The Rural Alaska Honors Institute (RAHI) is a bridging program that assists students in rural Alaska in making the academic and social transition between high school and college. It was established to prepare rural Alaska Native high school students for academic excellence and college success, and was founded at the request of the Alaska Federation of Natives in 1982.</p> <p>RAHI is for college-bound students who are willing to work hard and who are dedicated to excellence. Admission to RAHI is competitive, and not all who apply are accepted. Students who are accepted are awarded full scholarships, which cover all summer program expenses including travel, room, board, supplies and tuition. RAHI students are rewarded for their hard work with up to nine college credits towards a degree, as well as a wonderful group of staff, students, and alumni who will serve as an Alaska-wide network of supportive friends for the rest of their lives.</p>
<b><u>Parent Organization</u></b>	Rural Student Services College of Rural Alaska University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/rahi/">http://www.uaf.edu/rahi/</a>
<b><u>Contact Information (Primary)</u></b>	Denise Wartes, <a href="mailto:fyrahi@uaf.edu">fyrahi@uaf.edu</a> or <a href="mailto:denise.wartes@uaf.edu">denise.wartes@uaf.edu</a> , 907.474.6886
<b><u>Contact Information (Secondary)</u></b>	800.478.6886
<b><u>Program Mailing Address</u></b>	UAF Rural Alaska Honors Institute (RAHI) ATTN: Denise Wartes, Program Assistant P.O. Box 753605 325 Brooks Building Fairbanks, AK 99775
<b><u>Pathway Activities</u></b>	Academic Advising // Classroom Instruction // Classroom Preparation // College Credits // Residential Program (Summer) // Scholarships // Tutoring
<b><u>Primary Pathway Activity</u></b>	Residential Program (Summer)
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Alaska Native or American Indian
○ <b>Discipline</b>	Not Specified
○ <b>Age Range</b>	High School

<b><u>Program Title</u></b>	<b>Rural Student Services (RSS)</b>
<b><u>Program Description</u></b>	<p>Rural Student Services (RSS) is an integral part of UAF Advising Services. RSS facilitates the transition from a small school and village environment to university life. It provides vital links among the Fairbanks campus, rural communities, and other UAF campuses. RSS also provides an atmosphere that allows students to comfortably exercise their cultural traditions on campus. UAF students use RSS as a forum for their concerns, a base for various student organizations, and a gathering place for Native feasts offered in cooperation with the Alaska Native Studies Elder-in-Residence program.</p> <p>Students may choose an RSS advisor who will provide comprehensive academic advising and referrals to various academic support services on the UAF campus in Fairbanks. RSS advisors can assist students by explaining academic requirements, recommending courses, exploring degree and career options, informing them of university resources, and answering questions. Other services include assistance with arrangements to attend the university, personal counseling, and student advocacy.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/ruralss/">http://www.uaf.edu/ruralss/</a>
<b><u>Contact Information (Primary)</u></b>	JoAnn (JoJo) Ducharme, <a href="mailto:fjkd@uaf.edu">fjkd@uaf.edu</a> , 907.474.6616
<b><u>Contact Information (Secondary)</u></b>	Patricia Baldwin, <a href="mailto:fnpb@uaf.edu">fnpb@uaf.edu</a> , 888.478.1452
<b><u>Program Mailing Address</u></b>	P.O. Box 756320 Fairbanks, AK 995576320
<b><u>Pathway Activities</u></b>	Academic Advising // Personal Counseling
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Not Specified
○ <b>Age Range</b>	College

<b><u>Program Title</u></b>	<b>Student Support Services (SSS)</b>
<b><u>Program Description</u></b>	<p>Student Support Services (SSS) is an academic support program with the goal of assisting eligible students to graduate from college. Services include individual and small group tutoring, study skills workshops, and general advising and support. Eligible students are those with financial need, those whose parents did not graduate from college, and students with disabilities. Students must also be enrolled at UAF with the intention of obtaining a degree.</p> <p>The program is intended to help eligible students succeed in college and earn grades equal to UAF averages, continue into the sophomore and junior years, and graduate at the same rate as the UAF average. The SSS program at UAF is funded by a TRIO grant from the U.S. Department of Education.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.uaf.edu/sssp/">http://www.uaf.edu/sssp/</a>
<b><u>Contact Information (Primary)</u></b>	Mary Matthews, <a href="mailto:fmhm1@uaf.edu">fmhm1@uaf.edu</a> , 907.474.2644
<b><u>Contact Information (Secondary)</u></b>	Cindy Johnson, <a href="mailto:fnclj@uaf.edu">fnclj@uaf.edu</a> , 907.474.6844
<b><u>Program Mailing Address</u></b>	P.O. Box 756350 Fairbanks, AK 99775-6350
<b><u>Pathway Activities</u></b>	Academic Advising // Seminars // Tutoring
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Not Specified
○ Age Range	College

<b><u>Program Title</u></b>	<b>Upward Bound</b>
<b><u>Program Description</u></b>	<p>The purpose of the Upward Bound program is to help prepare high school students for success in postsecondary education. Students who participate in the Upward Bound summer program are interested in strengthening their academic skills and abilities. Eligibility criteria include: 1) between 13 and 19 years of age; 2) in 9th, 10th, or 11th grade; 3) interest in attending college or other postsecondary education programs; 4) neither parents nor legal guardian have earned a baccalaureate degree; and 5) family taxable income falls within levels set by the U.S. Department of Education.</p> <p>The Upward Bound summer program lasts six (6) weeks. Students earn high school credits for courses taken during the program.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.ub.uaf.edu/">http://www.ub.uaf.edu/</a>
<b><u>Contact Information (Primary)</u></b>	Andy Angaiak, <a href="mailto:fnapa@uaf.edu">fnapa@uaf.edu</a> , 907.474.5685
<b><u>Contact Information (Secondary)</u></b>	Kevin Turnbough, <a href="mailto:fngkt@uaf.edu">fngkt@uaf.edu</a> , 888.440.8599
<b><u>Program Mailing Address</u></b>	P.O. Box 757690 Fairbanks, AK 99775-7690
<b><u>Pathway Activities</u></b>	Classroom Instruction // College Preparation // Residential Program (Summer)
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Not Specified
○ Age Range	High School

<b><u>Program Title</u></b>	<b>Upward Bound Math / Science Center</b>
<b><u>Program Description</u></b>	<p>The Upward Bound Math / Science Center was set up to help low-income students and others who might not otherwise have access to college prepare for education and careers in math- and science-related fields. The program pays all student expenses for a six-week summer program, including round-trip transportation to UAF, room and board, and other expenses during the program.</p> <p>The program helps participants strengthen and extend existing math and science skills. In addition, students learn about careers in science by doing field research directly with scientists, and see how math and language arts are an integral part of all scientific endeavors. This prepares them for pursuing an education and career in math, science, computers, engineering, or related field.</p> <p>The program is designed for high school students who meet certain low-income and first generation college student eligibility criteria. Participants should be in their freshman, sophomore, or junior year of high school.</p>
<b><u>Parent Organization</u></b>	University of Alaska Fairbanks (UAF)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.ubms.uaf.edu/">http://www.ubms.uaf.edu/</a>
<b><u>Contact Information (Primary)</u></b>	Kevin Turnbough, <a href="mailto:fngkt@uaf.edu">fngkt@uaf.edu</a> , 907.474.5685
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	P.O. Box 757690 Fairbanks, AK 99775-7690
<b><u>Pathway Activities</u></b>	Classroom Instruction // College Preparation // Job Shadowing // Mentoring // Residential Program (Summer) // Stipends // Training (Skill Building)
<b><u>Program Target Group Information</u></b>	
o <b>Ethnicity</b>	Not Specified
o <b>Discipline</b>	Science & Math
o <b>Age Range</b>	High School

## Alaska Native Corporation / Organization Programs

### Program Title

### **Alaska Rural Systemic Initiative (AKRSI)**

### Program Description



©2004 Microsoft Corporation.

The Alaska Rural Systemic is a partnership of the Alaska Federation of Natives, the University of Alaska, and rural school districts to systematically document the cultural knowledge of Alaska Natives as the basis of reforming local school curricula and instructional methods. The purpose of the AKRSI is to bring people together from throughout the state to implement a five-year series of initiatives to systematically document the indigenous knowledge systems of Alaska Native people and develop educational policies and practices that effectively integrate indigenous and Western knowledge through a renewed educational system. The emphasis throughout the program is on renewing Native pathways to education, so that traditional knowledge systems, ways of knowing and world views can be more effectively used as a foundation for learning all subject matter, particularly in the context of rural and Native Alaska. Overall guidance for the AKRSI is provided by a series of Elders' Councils, and the Alaska Native / Rural Education Consortium, made up of representatives of the partner organizations from throughout the state.

### Parent Organization

Alaska Federation of Natives  
University of Alaska

### Program Website Address (URL)

<http://www.ankn.uaf.edu/brochure.html>

### Contact Information (Primary)

Ray Barnhardt, [ffrjb@uaf.edu](mailto:ffrjb@uaf.edu), 907.474.1902

### Contact Information (Secondary)

Oscar Kawagley, [rfok@uaf.edu](mailto:rfok@uaf.edu), 907.474.5403  
Frank Hill, [fnfwh@uaf.edu](mailto:fnfwh@uaf.edu), 907.274.3611

### Program Mailing Address

ANKN/ARSI  
P.O. Box 756730  
Fairbanks, AK 99775-6730

### Pathway Activities

Curricula // Publications // Seminars // Website

### Program Target Group Information

- Ethnicity
- Discipline
- Age Range

Alaska Native or American Indian  
Engineering // Science & Math // Technology  
Not Specified

<b><u>Program Title</u></b>	<b>ANTHC Internship Program</b>
<b><u>Program Description</u></b>	<p>Job Shadowing program works with high schools, school districts, and vocational / technical schools to provide unpaid Job Shadow experience for Alaska Native / American Indian students interested in healthcare fields.</p> <p>High School / Undergraduate / Graduate Summer Internship program awards nine-week paid summer internships to approximately 25 high school and undergraduate students and 5 graduate students who are Alaska Native / American Indian permanent Alaska residents. ANTHC grants these internships as an integral part of its long-term strategy of providing the highest quality health services to all Alaska Natives and American Indians and providing work experience in a range of medical professions and support services including finance, human resources, health records, computer technology, engineering, maintenance, and housekeeping.</p> <p>ANTHC is Alaska's largest Native health provider, serving over 100,000 Alaska Natives and American Indians. ANTHC is a private non-profit, tax-exempt corporation that compacts with the federal government to provide healthcare-related services.</p>
<b><u>Parent Organization</u></b>	Alaska Native Tribal Health Consortium
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.anthc.org">http://www.anthc.org</a>
<b><u>Contact Information (Primary)</u></b>	Rea Bavilla, <a href="mailto:rbavilla@anthc.org">rbavilla@anthc.org</a> , 907.729.1332
<b><u>Contact Information (Secondary)</u></b>	Evangelyn Dotomain, <a href="mailto:edotomain@anthc.org">edotomain@anthc.org</a> , 907.729.1913
<b><u>Program Mailing Address</u></b>	Education and Development Department 3925 Tudor Centre Drive Anchorage, AK 99508
<b><u>Pathway Activities</u></b>	Internships // Job Shadowing // Residential Program (Summer)
<b><u>Program Target Group Information</u></b>	
o <b>Ethnicity</b>	Alaska Native or American Indian
o <b>Discipline</b>	Health Science
o <b>Age Range</b>	High School // College

<b><u>Program Title</u></b>	<b>A/PIA Education Services</b>
<b><u>Program Description</u></b>	<p>A/PIA's Higher Education program provides financial aid to eligible Alaska Native students attending a college / university in pursuit of a 4-year degree. The scholarship may be used for tuition, books, and fees. The maximum award is \$1,500 per semester; determination is based on unmet need as reported by the college / university.</p> <p>The Education &amp; Training program focuses on funding eligible individuals to receive vocational and other services in order to upgrade their skills and obtain gainful employment. The financial aid may be used for tuition, books, fees, training or work materials, travel and/or subsistence, depending on availability of funding.</p>
<b><u>Parent Organization</u></b>	Aleutian / Pribilof Islands Association, Inc.
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.apiai.com">http://www.apiai.com</a>
<b><u>Contact Information (Primary)</u></b>	Karen Gonne-Harrell, <a href="mailto:kareng@api.ai">kareng@api.ai</a> , 907.276.2700
<b><u>Contact Information (Secondary)</u></b>	Juliana Pletnikoff, <a href="mailto:juliannap@api.ai">juliannap@api.ai</a> , 907.276.2700
<b><u>Program Mailing Address</u></b>	201 East 3 <sup>rd</sup> Avenue Anchorage, AK 99501
<b><u>Pathway Activities</u></b>	Scholarships
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Alaska Native or American Indian
○ <b>Discipline</b>	Not Specified
○ <b>Age Range</b>	College // Adult

<b><u>Program Title</u></b>	<b>Youth Opportunity Program</b>
<b><u>Program Description</u></b>	<p>The program offers provides both in-school and out-of-school youth, ages 14-21, with a variety of employment, education, and youth development services to 2,500 youth located in 45 villages and small communities throughout Alaska. Components of the Youth Services programs include the Johnson / O'Malley (JOM) Program, the Summer Youth Employment Program, Before and After School Program and the In-School Youth Program. Activities focus on providing opportunities for at-risk youth to gain work skills, pre-employment training, in-school tutoring through the JOM Study Skills classes, and in-school work programs. The Summer Youth Employment Program provides site work experience for nearly 100 youth, ages 14-21. Other Youth Services programs include in-school services, summer school programs, and academic counseling for Alaska Native Students. The Summer Cultural Enrichment and Reforestation Camp at Ninilchik provides Alaska Native youth ages 14-18 with the opportunity to gain pre-employment, employment, cultural and educational experience by participating in 10-day sessions at the tree planting camp located near Ninilchik. Students can earn .5 high school credits by completing one session.</p>
<b><u>Parent Organization</u></b>	Cook Inlet Tribal Council, Inc.
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.citci.com/departments/index.html">http://www.citci.com/departments/index.html</a>
<b><u>Contact Information (Primary)</u></b>	Shirley Tuzroyluke, <a href="mailto:stuzroyluke@citci.com">stuzroyluke@citci.com</a> , 907.297.2013
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	504 W. 25 <sup>th</sup> Street Anchorage, AK 99503
<b><u>Pathway Activities</u></b>	Academic Advising // Career Counseling // Classroom Instruction // Residential Program (Summer) // Training (Skill Building) // Tutoring
<b><u>Program Target Group Information</u></b>	
o <b>Ethnicity</b>	Alaska Native or American Indian
o <b>Discipline</b>	Not Specified
o <b>Age Range</b>	High School // College

<b><u>Program Title</u></b>	<b>Kodiak Area Native Association Education Department Programs</b>
<b><u>Program Description</u></b>	<p>The KANA Education Department encourages education and career development opportunities through post-secondary scholarship, vocational and classroom training; child care services and preschool programs; and supportive services. KANA's goals are to promote individual self-development and economic self-sufficiency.</p> <p>Supplemental Youth Employment is available to youth between the ages of 14 and 21. Participants in this program are provided work experience and academic enrichment through summer job placements. The program takes place during the months of May through September.</p> <p>The Higher Education Scholarship is available to financially assist Alaska Natives enrolled in the Koniag Region. Funds are awarded specifically for the purpose of assisting students in achieving a four year academic degree from an accredited institution.</p> <p>The KANA Adult Vocational Training program is designed to financially assist students who are pursuing a vocational program. Assistance may include tuition and other related costs such as books, fees, tools, and monthly living stipends.</p>
<b><u>Parent Organization</u></b>	Kodiak Area Native Association
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.kanaweb.org">http://www.kanaweb.org</a>
<b><u>Contact Information (Primary)</u></b>	Margie Bezona, <a href="mailto:Margie.Bezona@kanaweb.org">Margie.Bezona@kanaweb.org</a> , 907.486.9816
<b><u>Contact Information (Secondary)</u></b>	Melinda Cortez, <a href="mailto:Melinda.Cortez@kanaweb.org">Melinda.Cortez@kanaweb.org</a> , 907.486.9800
<b><u>Program Mailing Address</u></b>	3449 East Rezanof Drive Kodiak, AK 99615
<b><u>Pathway Activities</u></b>	Internships // Scholarships
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Alaska Native or American Indian
○ <b>Discipline</b>	Not Specified
○ <b>Age Range</b>	High School // College // Adult

<b><u>Program Title</u></b>	<b>Tribal Recruitment Project</b>
<b><u>Program Description</u></b>	This project is aimed at increasing the number of Native youths from Southeast Alaska entering the health professions. Elements of the project include community workshops, information for high school students, internships, and an applicant pool. Staff conduct workshops to increase Native health career awareness are conducted for junior high and high school age students in the communities of Southeast Alaska, using SEARHC staff as role models. Staff provide information to high school students on enrichment programs, scholarships, and colleges that have programs that are culturally relevant to Native students. The project sponsors health care summer internship positions for Native college students at SEARHC medical facilities. A Native applicant database tracking system has been established to encourage Natives to apply for openings at SEARHC.
<b><u>Parent Organization</u></b>	SouthEast Alaska Regional Health Consortium
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.searhc.org">http://www.searhc.org</a>
<b><u>Contact Information (Primary)</u></b>	Roxanne Houston, <a href="mailto:rhouston@searhc.org">rhouston@searhc.org</a> , 907.966.8476
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	3245 Hospital Drive, Juneau, AK 99801
<b><u>Pathway Activities</u></b>	Academic Advising // Financial Aid Advising // Internships // Networking // Outreach // Recruitment
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Alaska Native or American Indian
○ <b>Discipline</b>	Health Science
○ <b>Age Range</b>	Middle School // High School // College

<b><u>Program Title</u></b>	<b>Career Pathways Program</b>
<b><u>Program Description</u></b>	The program partners with regional school districts to provide awareness activities, tours of the Yukon-Kuskokwim Delta Regional Hospital, and career information for students from kindergarten through the 12 <sup>th</sup> grade. The program also coordinates high school work experience placements and makes referrals for scholarships and education programs for direct or allied health care training. Staff work with the Kuskokwim Campus, University of Alaska Fairbanks, and Lower Kuskokwim School District to deliver health-related classes that offer students the opportunity to receive both high school and college credit.
<b><u>Parent Organization</u></b>	Yukon-Kuskokwim Health Corporation
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.ykhc.org/520.cfm">http://www.ykhc.org/520.cfm</a>
<b><u>Contact Information (Primary)</u></b>	Sharon John, <a href="mailto:sharon_john@ykhc.org">sharon_john@ykhc.org</a> , 907.543.6758
<b><u>Contact Information (Secondary)</u></b>	Clyde Smith, <a href="mailto:clyde_smith@ykhc.org">clyde_smith@ykhc.org</a> , 907.543.6986
<b><u>Program Mailing Address</u></b>	Box 528 Bethel, AK 99559
<b><u>Pathway Activities</u></b>	Academic Partnerships // Classroom Instruction // College Credits // Internships // Outreach // Recruitment
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Alaska Native or American Indian
○ <b>Discipline</b>	Health Science
○ <b>Age Range</b>	Elementary School // Middle School // High School

## “Other” Programs

### Program Title

### **Alaska Native Student Wisdom Enrichment Retreat (ANSWER Camp)**

### Program Description



©2004 Microsoft Corporation.

Geared toward improving the math and science skills of 7th and 8th grade Alaska Natives, ANSWER Camp takes the learning process out of the classroom. By combining Alaska Native learning styles and traditional activities with middle school science and math applications in a camp setting, ANSWER Camp enables participants to build a bridge between learning in a formal setting and real life. To date, more than 950 students from 140 Alaskan communities have attended ANSWER Camp.

ANSWER Camp curriculum is comprised of "hands-on" activities that are designed to foster an education style based on Native Knowledge and allow students to see relationships and interactions between traditional Native ways and the study of science and math.

ANSWER Camp accommodates a range of learning skills by teaching how to work cooperatively in small groups, set reachable individual and group goals, and establish role models for young Alaska Natives by creating a network between Alaska Native culture specialists, educators, counselors and students.

### Parent Organization

Southeast Regional Resource Center (SERRC)

### Program Website Address (URL)

<http://www.serrc.org/files/answer.asp>

### Contact Information (Primary)

Sheryl Weinberg, [sherylw@serrc.org](mailto:sherylw@serrc.org), 907.586.6806

### Contact Information (Secondary)

### Program Mailing Address

### Pathway Activities

Residential Program (Summer) // Training (Skill Building)

### Program Target Group Information

- Ethnicity
- Discipline
- Age Range

Alaska Native or American Indian  
Science & Math  
Elementary School // High School // Middle School

<b><u>Program Title</u></b>	<b><i>Arctic Alive!</i></b>
<b><u>Program Description</u></b>	<p>Arctic Alive! is a distance learning environment that virtually transports students to unique and remote arctic locations. Arctic Alive! utilizes the Internet as an interactive, real-time, web-based education resource rather than an information site. Each theme-based Arctic Alive! program is designed to integrate effectively into the classroom by complementing current curricula. The overwhelming success of the program is attributed to simple technology, ability to be adapted into current curricula, and the opportunity for students to interact directly with the researchers. Arctic Alive! is designed to be cross-curricular and align with National Education Standards in technology, science, and math. ARCUS focuses on a different arctic research issue each year.</p> <p>Arctic Alive! uses a variety of delivery methods and e-learning strategies to deliver arctic research to the classroom. Two key program components are: 1) a teacher in the field with the researchers to facilitate activities in the classroom, and 2) real-time student interactions with the researchers.</p> <p>As a result of participation in Arctic Alive!, students are encouraged to explore scientific careers, better understand current arctic research, and become more aware of the Arctic as a critical component of the global environment. Educators acquire a valuable new tool for science teaching and teaching about the Arctic, an area of the world about which there is scant instructional material. Indigenous peoples of the North gain an unprecedented platform for sharing traditional knowledge regarding the lands they have inhabited for more than ten thousand years. Practicing scientists are enriched by contact with future scientists of the 21<sup>st</sup> century and have the opportunity to capture students' imagination with the excitement and adventure of science.</p>
<b><u>Parent Organization</u></b>	Arctic Research Consortium of the United States (ARCUS)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.arcus.org/arcticalive/">http://www.arcus.org/arcticalive/</a>
<b><u>Contact Information (Primary)</u></b>	Janet Warburton, <a href="mailto:janet@arcus.org">janet@arcus.org</a> , 907.474.1600
<b><u>Contact Information (Secondary)</u></b>	Kayt Sunwood, <a href="mailto:sunwood@arcus.org">sunwood@arcus.org</a> , 907.474.1600
<b><u>Program Mailing Address</u></b>	3535 College Road, Ste. 101 Fairbanks, AK 99709-3710
<b><u>Pathway Activities</u></b>	Classroom Instruction // Curricula // Research Experience
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Science & Math // Technology
○ <b>Age Range</b>	Elementary School // Middle School // High School // K-12 Educators

<b><u>Program Title</u></b>	<b>Denali Institute Northern Studies Field Course</b>
<b><u>Program Description</u></b>	<p>The mission of the Denali Institute is to explore and study the natural and cultural histories of the Far north for the benefit of people and the environment. Small group classes, college field courses, and research internships are designed not only to teach, but to inspire a renewed appreciation for public lands and to foster their stewardship for future generations.</p> <p>The Institute offers a two-week intensive field course in the natural, cultural, and political history of Alaska for college students. During the field course, students consider the complexities of the subarctic ecosystem while focusing on biological diversity, ecology, physical geology, and ethnology. The program has three basic objectives: 1) to study Alaska's biological diversity in a variety of environments; 2) to provide first-hand experiences in biological and physical sciences by working directly with local researchers and resource managers; and 3) to introduce the rich ethnology of Alaska. The field course is an academic endeavor, offered in cooperation with the University of Alaska Anchorage and the University of California Santa Cruz. Students can register for up to three hours of course credit through either university.</p> <p>The Institute also offers accredited teacher trainings all summer in Denali National Park. In 2004, the following teacher trainings are offered: 1) Geology of Denali, 2) Adaptation to a Northern Environment, and 3) Bears of Denali. The University of Alaska Fairbanks offers one professional development credit (level 595) for all teacher trainings.</p>
<b><u>Parent Organization</u></b>	Denali Institute
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.denaliinstitute.org/">http://www.denaliinstitute.org/</a>
<b><u>Contact Information (Primary)</u></b>	Kristin Siemann, <a href="mailto:kristin@denaliinstitute.org">kristin@denaliinstitute.org</a> , 907.868.8639
<b><u>Contact Information (Secondary)</u></b>	David Tomeo, <a href="mailto:courses@denaliinstitute.org">courses@denaliinstitute.org</a> , 907.683-1296
<b><u>Program Mailing Address</u></b>	750 W. 2 <sup>nd</sup> Avenue, Ste. 100 Anchorage, AK 99501
<b><u>Pathway Activities</u></b>	Research Experience // Residential Program (Summer) // Training
<b><u>Program Target Group Information</u></b>	
o <b>Ethnicity</b>	Not Specified
o <b>Discipline</b>	Science & Math
o <b>Age Range</b>	Not Specified // K-12 Educators

<b><u>Program Title</u></b>	<b>Health Outreach Caravan</b>
<b><u>Program Description</u></b>	<p>This project will design and create a 5-year Health Outreach Caravan program to educate and inform the Alaskan public about health science research, so they are better equipped to make healthier lifestyle choices. The program will also be designed to stimulate Alaskan students' interest in science, particularly those students in remote rural areas of Alaska who are traditionally underrepresented in the science professions.</p> <p>The long-range goals of the Health Outreach Caravan are to: 1) inform the Alaskan public about health science research so that they are better equipped to make healthier lifestyle choices; and 2) stimulate Alaskan students' interest in science, particularly those students in the remote rural areas of Alaska who are traditionally underrepresented in the science professions.</p> <p>The specific objectives of the Health Outreach Caravan are to: 1) form partnerships with the scientific, public health, educational, and cultural communities to improve student and public understanding of health sciences; 2) develop mobile, hands-on, interactive and culturally appropriate health-related programs, exhibits, curricula and kits; 3) develop a Health Science Teen Volunteer Corps across remote, culturally unique regions of Alaska to facilitate linkages between biomedical scientists, village elders, and local community and school programs; 4) train teacher aids and teachers to present hands-on interactive and culturally appropriate classroom health science demonstrations; and 5) develop culturally appropriate community health science festivals to spark interest in science and health; and to improve student, family, and public understanding of health science issues.</p>
<b><u>Parent Organization</u></b>	The Imaginarium
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.imaginarium.org">http://www.imaginarium.org</a>
<b><u>Contact Information (Primary)</u></b>	Christopher Cable, <a href="mailto:chris@imaginarium.org">chris@imaginarium.org</a> , 907.276.3179
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	737 W. 5 <sup>th</sup> Avenue, Ste. G Anchorage, AK 99501-2129
<b><u>Pathway Activities</u></b>	Outreach // Seminars
<b><u>Program Target Group Information</u></b>	
o <b>Ethnicity</b>	Alaska Native or American Indian
o <b>Discipline</b>	Health Science
o <b>Age Range</b>	High School // Middle School // Elementary School // K-12 Educators

<b><u>Program Title</u></b>	<b>K-12<sup>th</sup> Grade School District Program</b>
<b><u>Program Description</u></b>	<p>Partnerships with educational institutions are an important component of ASHNHA's overall programs. In the educational arena, ASHNHA's focus starts with elementary school students and continues into college and university programs statewide.</p> <p>With its K-12th Grade School District Programs, ASHNHA and its members have collectively and individually formed partnerships with school districts throughout Alaska to promote health care careers, develop student internship programs, and provide experience for students interested in health care jobs. Providing workshops for teachers and administrators; a core curriculum; and references, resources, and career pathways for students, ASHNHA and its members provide statewide leadership promoting health care fields among Alaska's youth.</p>
<b><u>Parent Organization</u></b>	Alaska State Hospital & Nursing Home Association (ASHNHA)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.ashnha.com/about3.htm">http://www.ashnha.com/about3.htm</a>
<b><u>Contact Information (Primary)</u></b>	Carol Hughes, <a href="mailto:carol@ashnha.com">carol@ashnha.com</a> , 907.586.1790
<b><u>Contact Information (Secondary)</u></b>	Linda Fink, <a href="mailto:lfink@ashnha.com">lfink@ashnha.com</a>
<b><u>Program Mailing Address</u></b>	426 Main Street Juneau, AK 99801
<b><u>Pathway Activities</u></b>	Career Counseling // Curricula // Seminars
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Not Specified
○ <b>Discipline</b>	Health Science
○ <b>Age Range</b>	College // High School // Middle School // Elementary School // K-12 Educators

<b><u>Program Title</u></b>	<b>Research Assistantships for Minority High School Students (RAMHSS)</b>
<b><u>Program Description</u></b>	<p>RAMHSS provides supplemental funds to NSF-supported investigators to permit them to include qualified minority high school students in their research activities. RAMHSS encourages the involvement of high school minority students in research. It provides funding supplements to principal investigators supported by the NSF for minority high school student research assistants. The students are expected to be involved with the principal investigators in meaningful and challenging experiences during the academic year and/or summer.</p> <p>NSF does not maintain a centralized listing of RAMHSS awards or opportunities. Investigators interested in this funding opportunity should contact their cognizant NSF program officer for more information.</p>
<b><u>Parent Organization</u></b>	National Science Foundation
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.nsf.gov/home/students/scholaid.htm">http://www.nsf.gov/home/students/scholaid.htm</a>
<b><u>Contact Information (Primary)</u></b>	
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	
<b><u>Pathway Activities</u></b>	Grants
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Any Minority / Underrepresented Population
○ <b>Discipline</b>	Science & Math // Technology
○ <b>Age Range</b>	High School

**Program Title**

**Research Experience for Teachers (RET) Supplement to Current NSF Awards**

**Program Description**

This program supports active participation by K-12 teachers of science in projects funded by the National Science Foundation (NSF). The intent is to facilitate professional development of K-12 science teachers through research experience at the cutting edge of science. NSF strongly encourages all its grantees to make special efforts to identify talented teachers for participation in the RET-supplement opportunity.

NSF believes that encouraging active participation of teachers in ongoing NSF projects is an excellent way to reach broadly into the teacher talent pool of the nation. The goal of the RET-supplement is to help build long-term collaborative relationships between K-12 teachers of science and the NSF research community. NSF is particularly interested in encouraging its researchers to build mutually rewarding partnerships with teachers at inner city schools and less well-endowed school districts.

A request for funding for a RET-supplement should be made under an existing NSF award or within a proposal for a new or renewal NSF award. The description of the RET-supplemental activity should clearly articulate in some detail the form and nature of the prospective teacher's involvement in the Principal Investigator's ongoing or proposed research. Since it is expected that the RET-supplement experience will also lead to transfer of new knowledge to classroom activities, the RET-supplement description should also indicate what sustained follow-up would be provided to help in translating the teacher's research experience into classroom practice. A brief biographical sketch of the teacher should also be included.

The duration of the RET-supplement will generally be one year and the project may be carried out during summer months, during the academic year, or both. The total cost of the supplement is limited to \$10,000 per teacher. Normally funds may be available for up to two teachers, but exceptions will be considered. Participation of teachers who are members of underrepresented groups is strongly encouraged. RET-supplements are available from a number of NSF Directorates (e.g., Directorate for Biological Sciences, Directorate for Mathematical and Physical Sciences, Directorate for Engineering, Directorate for Geosciences, etc.). To locate RET-supplement specific funding opportunities within individual Directorates, go to the *2004 Guide to Programs: NSF Funding Opportunities* (<http://www.nsf.gov/od/lpa/news/publicat/nsf04009/toc.htm>) and search for the keyword "RET."

**Parent Organization**

National Science Foundation

**Program Website Address (URL)**

<http://www.nsf.gov/>

**Contact Information (Primary)**

**Contact Information (Secondary)**

**Program Mailing Address**

National Science Foundation  
4201 Wilson Boulevard  
Arlington, VA 22230

**Pathway Activities**

Grants // Research Experience // Training (Skill Building)

**Program Target Group Information**

- **Ethnicity**
- **Discipline**
- **Age Range**

Not Specified  
Science & Math  
K-12 Educators

<b><u>Program Title</u></b>	<b>Summer Medical Education Program (SMEP)</b>
<b><u>Program Description</u></b>	<p>SMEP is a six-week enrichment program for talented underrepresented minority students interested in medicine. It has two primary objectives: 1) exposure to the field of medicine, and 2) academic preparation. Exposure to the field of medicine is accomplished with: operating room observation; emergency room observation; suture clinic visit; migrant camp visit; workshops on admissions, financial aid, and the application process; lectures in health care; mentoring; and conducting and presenting research. Academic preparation includes: test taking strategies and skills; time management; stress management; full length review and preview of MCAT/DAT practice exams; related classes (e.g., communications, biology, chemistry, biochemistry, and physics).</p> <p>Participants are chosen based on the following criteria: 1) demonstrated serious interest in a medical career; 2) member of an underrepresented / underserved population, specifically African American, American Indian / Alaska Native / Native Hawaiian, Hispanic, and/or disadvantaged / underserved of any background; 3) completed at least one year of college; 4) U.S. citizen or permanent resident.</p>
<b><u>Parent Organization</u></b>	University of Washington
<b><u>Program Website Address (URL)</u></b>	<a href="http://depts.washington.edu/omca/SMEP/index.html">http://depts.washington.edu/omca/SMEP/index.html</a>
<b><u>Contact Information (Primary)</u></b>	Dan Olson, <a href="mailto:dolson@u.washington.edu">dolson@u.washington.edu</a> , 206.543.9733
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	School of Medicine Office of Multicultural Affairs HSC T-545, Box 357430 University of Washington Seattle, WA 98195-7430
<b><u>Pathway Activities</u></b>	Classroom Instruction // College Preparation // Mentoring // Residential Program (Summer) // Seminars // Stipends // Testing and Assessment // Training (Skill Building)
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Any Minority / Underrepresented Population or Willing to Serve Same
○ <b>Discipline</b>	Health Science
○ <b>Age Range</b>	College

<b><u>Program Title</u></b>	<b>Teachers &amp; Researchers – Exploring and Collaborating (TREC)</b>
<b><u>Program Description</u></b>	<p>The Teachers &amp; Researchers - Exploring and Collaborating (TREC) program is an educational research experience in which K-12 teachers participate in Arctic research, working closely with scientists, as a pathway to improving science education through teachers' experiences in scientific inquiry. The participating TREC teachers serve as a conduit for reciprocal exchange of experience and knowledge between researchers and educators, and as a foundation for a growing community of students, educators, researchers and the general public that is engaged in science teaching and learning.</p> <p>TREC is a collaborative network of teachers, researchers, students, and community members. Through TREC, teachers will have the opportunity to increase their knowledge, enhance teaching skills, transfer their experiences to the classroom, engage in leadership roles, and develop a supportive network of researchers and education colleagues.</p>
<b><u>Parent Organization</u></b>	Arctic Research Consortium of the United States (ARCUS)
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.arcus.org/trec">http://www.arcus.org/trec</a>
<b><u>Contact Information (Primary)</u></b>	Kayt Sunwood, <a href="mailto:sunwood@arcus.org">sunwood@arcus.org</a> , 907.474.1600
<b><u>Contact Information (Secondary)</u></b>	Janet Warburton, <a href="mailto:janet@arcus.org">janet@arcus.org</a> , 907.474.1600
<b><u>Program Mailing Address</u></b>	3535 College Road, Ste. 101 Fairbanks, AK 99709-3710
<b><u>Pathway Activities</u></b>	Mentoring // Networking // Seminars // Research Experience
<b><u>Program Target Group Information</u></b>	
○ Ethnicity	Not Specified
○ Discipline	Science & Math // Technology
○ Age Range	K-12 Educators

**Program Title**

**Undergraduate Mentoring in Environmental Biology (UMEB)**

**Program Description**

This program from the National Science Foundation Directorate for Biological Sciences (BIO Directorate), is designed to enable institutions to create innovative programs that will encourage undergraduate students, especially those from underrepresented groups, to pursue a career in environmental biology. Activities supported by the program include research and field experiences in environmental biology, enhancement activities that will prepare students for a scientific career including graduate studies, and mentoring activities that will ensure the successful completion of students in the program. The applicant institution is expected to foster an enriched and intellectually stimulating research and educational environment. Proposed projects should include year-round mentoring and include a major emphasis on direct student participation in research. Student participants will receive an annual stipend and funds for travel and research supplies.

Research activities should span the academic year and summer, with individual students continuing in the program for more than one year. Projects should emphasize factors that encourage and enable members of underrepresented groups to enter and remain in environmental biology. For the purposes of this program, underrepresented groups include women, persons with disabilities, and members of those racial and ethnic groups underrepresented in science, mathematics, and engineering. Also for the purposes of this program, “environmental biology” is broadly defined to include areas of research focusing on organisms as they evolve, interact with each other, and/or interact with their environment, from perspectives that range from molecular to ecosystem levels.

The BIO Directorate encourages proposals that include research themes in behavior, ecology, ecosystems, ecological physiology, evolutionary biology, population biology, and/or systematics, as well as proposals in other areas that address themes in animal, plant, or microbial biology with environmental emphases. The theme of the project should be in areas typically funded by the BIO Directorate. The proposed research and training activities should not have biomedical or veterinary medicine goals.

Projects may include international research activities in which students would conduct research at field sites or at institutions abroad and benefit from collaborations with international scientists. Activities that involve UMEB students in K-12 classrooms, or that involve K-12 science teachers in some aspects of the UMEB research, are allowed, if appropriate, as part of the research mentoring process.

Conference or workshop proposals submitted by a professional society or on behalf of a society are accepted under this program. The goal of this activity is to increase the participation of undergraduates from underrepresented groups in national and regional scientific meetings.

<b><u>Parent Organization</u></b>	National Science Foundation, Directorate for Biological Sciences
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.nsf.gov/bio/progdes/umeb.htm">http://www.nsf.gov/bio/progdes/umeb.htm</a>
<b><u>Contact Information (Primary)</u></b>	Sally O'Connor, <a href="mailto:soconnor@nsf.gov">soconnor@nsf.gov</a> , 703.292.4552
<b><u>Contact Information (Secondary)</u></b>	Saran Twombly, <a href="mailto:stwombly@nsf.gov">stwombly@nsf.gov</a> , 703.292.7198
<b><u>Program Mailing Address</u></b>	
<b><u>Pathway Activities</u></b>	Grants // Stipends
<b><u>Program Target Group Information</u></b>	
○ <b>Ethnicity</b>	Any Minority / Underrepresented Population
○ <b>Discipline</b>	Science & Math
○ <b>Age Range</b>	College // K-12 Educators

<b><u>Program Title</u></b>	<b>Young Epidemiology Scholars (YES)</b>
<b><u>Program Description</u></b>	<p>Epidemiology is a vibrant, important, and far-reaching discipline. It is the science of exploring patterns of disease, illness, and injury within populations, with the goal of developing methods for prevention, control, and treatment to improve health. The basic skills required by epidemiology—framing the right question, collecting relevant information and analyzing it to answer the question—are skills that will help students succeed in any area of future work. The study and application of epidemiology promotes a way of thinking that can be used effectively in both scientific and nonscientific settings. YES consists of two national competitions, design to inspire high school students and teachers to learn about epidemiology and public health issues. This competition is intended to transmit the excitement, relevance, and rigor of this important subject to a wide range of students and teachers. The YES program is supported by The Robert Wood Johnson Foundation and administered by the College Board.</p> <p>The YES Student Competition for original student research is designed to identify and inspire talented and creative high school students to investigate the many behavioral, biological, environmental, and social factors that affect health and, based upon this knowledge, to identify ways to improve the health of the public. It offers college scholarship awards to high school juniors and seniors who conduct outstanding research projects that apply epidemiological methods of analysis to a health-related issue. Student awards will total up to \$456,000 each year, including \$50,000 college scholarships for two national winners. The deadline for the 2003-04 Student Competition is 6 Feb 2004.</p> <p>The YES Teach Competition invites high school teachers from a variety of disciplines to submit models for innovative classroom curricula that incorporate epidemiological methods. Each year as many as 18 teachers or teaching teams are selected as regional winners, and each receives a \$5,000 award. Of these, up to six are selected annual as national winners, and each receives an additional \$15,000 award. Winning curricula will be posted to the YES website and will be widely available to teachers.</p>
<b><u>Parent Organization</u></b>	The College Board
<b><u>Program Website Address (URL)</u></b>	<a href="http://www.collegeboard.com/yes/">http://www.collegeboard.com/yes/</a>
<b><u>Contact Information (Primary)</u></b>	Catherine Meredith, <a href="mailto:yes@collegeboard.org">yes@collegeboard.org</a> , 703.707.5548
<b><u>Contact Information (Secondary)</u></b>	
<b><u>Program Mailing Address</u></b>	Young Epidemiology Scholars (YES) Program The College Board 11911 Freedom Drive, Ste. 300 Reston, VA 20190
<b><u>Pathway Activities</u></b>	Curricula // Recognition Awards // Scholarships

**Program Target Group Information**

- **Ethnicity** Not Specified
- **Discipline** Health Science
- **Age Range** High School // K-12 Educators



## Appendix A – Pathway Activities Controlled Vocabulary List (CVL)

- Academic Advising
- Academic Partnerships
- Career Counseling
- Classroom Instruction
- College Credits
- College Preparation
- Community Partnerships
- Curricula
- Financial Aid Advising
- Government & Industry Partnerships
- Grants
- Internships
- Job Shadowing
- Library
- Mentoring
- Networking
- Outreach
- Personal Counseling
- Practice Laboratory [e.g., computer lab, language lab, writing lab, math lab, etc.]
- Publications
- Recognition Awards
- Recruitment
- Research Experience
- Residence Hall
- Residential Program (Summer)
- Scholarships
- Seminars [e.g., lectures, presentations, events, programs, etc.]
- Stipends
- Student Center [e.g., gathering space]
- Study Area
- Teaming (Peer Mentoring)
- Testing and Assessment
- Training (Skill Building) [e.g., workplace preparation, computer skills, life skills, etc.]
- Tutoring
- Website

## Appendix B – Program Target Group Information CVLs

### Ethnicity CVL

In October 1997, the U.S. Office of Management and Budget (OMB) announced the revised standards for federal data on race and ethnicity. The minimum categories for race are now: American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. Instead of allowing a multiracial category as was originally suggested in public and congressional hearings, the OMB adopted the Interagency Committee's recommendation to allow respondents to select one or more races when they self-identify (e.g., on a census questionnaire). With the OMB's approval, the Census 2000 questionnaires also included sixth racial category: Some Other Race. There are also two minimum categories for ethnicity: Hispanic or Latino, and Not Hispanic or Latino. Hispanics and Latinos may be of any race. The new categories were used by the U.S. Census Bureau on the Census 2000 questionnaire. All federal agencies were required to implement the new standards by January 1, 2003.

Source: U.S. Census Bureau. *Racial and Ethnic Classifications Used in Census 2000 and Beyond*. (<http://www.census.gov/population/www/socdemo/race/racefactcb.html>).

The *Directory of Alaska Student Outreach and Recruitment Programs* uses the following controlled vocabulary list for ethnicity:

- Alaska Native or American Indian
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- Some Other Ethnicity
- Any Minority / Underrepresented Population
- Not Specified

### Discipline CVL

The following terms are used to indicate the disciplinary focus of a program in this *Directory*:

- Engineering
- Health Science
- Science & Math
- Technology
- Not Specified

### Age Range CVL

The following terms are used to indicate the age range of the students targeted by a program:

- Adult
- College [undergraduate – post-graduate]
- High School [grades 9-12]
- Middle School [grades 6-8]
- Elementary School [grades K-5]
- K-12 Educators
- Not Specified

If the program targets teachers, this is indicated by entering the term “K-12 Educators” in this field.