

COLLABORATION WITH TRIBAL COLLEGES

| Campus | Name of Project | Partners | Purpose | Participants | # | Results |
|--------------|---|---|--|---|------------------------|---|
| MSU and UM | BRIN Biomedical Research Infrastructure Network | MSU + UM, all 4-year units, McLaughlin Research Inst. Seven Tribal Colleges | Increase biomedical research capacity in MT. Support faculty, students at Tribal Colleges to enhance minority participation in biomedical science education and careers. | Students, faculty and administrators of MSU, UM, 7 Tribal Colleges and McLaughlin Inst. | Est. 200 | Multiple research and educational programs in bio-informatics, environmental health, water quality, science careers, electron microscopy. Funded equipment, video-conferences, travel support, networking |
| MSU-Billings | TRANSFER 1.Dual enrollment or transfer agreements | 7 MT tribal colleges and MSU-Billings Registrar or Admissions officers | Facilitate transfer via on-campus advisor for TC students who i.d. MSU-B for degree completion. To begin advising early. | Students from the 7 MT tribal colleges and TC staff | 80 over three years | Ease of transfer; advising assistance offered at the beginning of such a proposed transfer. |
| MSU-Billings | 2.Transfer articulation agreements | same | Facilitate actual transfer of coursework and credits. | same | Un-known | Easier transfer; agreements on-line for ease of use. |
| MSU-Billings | 3.Tribal College Fairs | same | Promote transfer to MSU-B from the tribal colleges. | same | 20 – 50 per event | Connect prospective students to MSU-B advisors; educate students for transfer. |
| MSU-Billings | 4.Recruitment and advising sessions at the tribal colleges | same | Promote transfer to MSU-B from TC's. | Admissions/ Advising staff visit TC's twice a year. | ~ 100. | Multicultural Student Services contacts TC transfers, gives special advising/ orientation events |
| MSU-Billings | Special Education Courses for Endorsement | Fort Peck Community College | Offer courses on site or on-line for special ed. endorsement. | Fort Peck Community College | 15 students per course | Access to coursework precludes need to go to MSU-Billings. Endorsement earned |
| MSU-Billings | A2 Grant, 2 Career Ladder Grants | Little Big Horn College-Crow/ Northern Cheyenne | Offer framework, support, some financing to Native American students to become educators. | Little Big Horn College-Crow/ Northern Cheyenne | 45 students | Successfully educate Native American students to become teachers. |

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| MSU-Bozeman | USDA-CSREES Grant- Restoration of Invasive Plant-Infested Lands After Wildfire: A Case Study | MSU-CIPM/LRES, Chief Dull Knife Memorial College, Northern Cheyenne Extension Service | To promote and establish ecologically-based land restoration as a weed management tool for burned areas | Chief Dull Knife M.C. faculty, N. Cheyenne Extension agent, MSU-CIPM staff | | Research/Demonstration sites with different weed treatments and seeding mixes were established and documented. Because of work accomplished, additional weed management funding was awarded to the tribal Extension Svc by the U.S. Forest Service |
| MSU-Bozeman | West Nile Virus Surveillance | Ft. Belknap College | Give students an opportunity to monitor WNV vectors | Dr. Greg Johnson, Dr. Liz McLean, Ft. Belknap students | 6 | Participants were trained in the techniques of vector monitoring |
| MSU-Bozeman | Transitioning to Excellence | Little Big Horn College, Chief Dull Knife College | Develop and deliver model curricula | Dr. Martin Frick and faculty-MSU College of Ag, and LBHC and CDKC faculty | 12 faculty 60 students | Establish courses so Native American students can transition to MSU. Develop mode other 1862 LGUs can adapt when working with 1994 LGUs. |
| MSU-Bozeman | NSF Career | Salish Kootenai College (Tim Olson is POC at SKC) | Integrate MSU's freshman-level ECE course at SKC to build a bridge between the two-year pre-engineering program at SKC and the four-year ECE program at MSU | Pre-engineering students at SKC | 5-10 | Just being initiated this fall. |
| MSU-Bozeman | Bridges-Flex lead designs | AIRO | Summer Research Experience | John LaSarte | | Attended poster session |
| MSU-Bozeman | (planning to do): Mobile Robots for Engineering Education and Student Recruiting | MSU ECE Department, COE, NSF-CCLI (proposal under review) | To increase the awareness of engineering as a career choice for under-represented groups, including Native Americans and women | The plans include making contact with appropriate individuals (e.g., science instructors) at the Montana Tribal colleges and at appropriate high schools in the state. | Ultimately, we would expect 50-60 students in the first year. | No external results yet. The internal development of instructional materials and deployment of the mobile robot system is currently underway this semester in MSU's EE101 class. |

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| MSU-Bozeman | Transitioning to Excellence in Agricultural Education (USDA funded) | Chief Dull Knife & LBHC | To provide a series of short courses that count towards MSU's College of Ag degrees at two tribal colleges | Students at tribal colleges | ~20 | Ongoing |
| MSU-Bozeman | Field to Market: Malting Barley in the American Indian's Farm Plan (USDA funded research project) | Fort Peck CC | Addresses needs of American Indian farmers for information on the economics of malt barley production | Fort Peck and MSU faculty | 4 | Ongoing |
| MSU-Bozeman | Beef Marketing for American Indians | Fort Peck CC | To identify different marketing channels available to American Indian beef livestock producers | Fort Peck faculty and students | 6 | Ongoing |
| MSU-Bozeman | Markets and market channels for alternative crops | Fort Peck CC and Montana Grain Growers Association | To identify effective marketing channels for minor crops | Faculty and students | 7 | Improve efficiency of American Indian efficiency for marketing crops- results are being used by USDA to assess the importance of contracting in crop marketing |
| MSU-Bozeman | Risk Management education for American Indian agricultural producers | Fort Peck CC | To provide American Indian producers with info on crop insurance programs | Fort Peck and 5 other tribal colleges in MT plus one tribal college in each SD, WY, and ND | 130 | Delivered programming to 130 American Indian producers |
| MSU-Bozeman | Planning for the Passing of Fort Peck Land to Avoid Fractionation | Fort Peck CC, Montana Grain Growers Association | Provide education for Fort Peck residents regarding the problem of fractionation of reservation land | | | Program is starting October 2003-2005 |
| MSU-Bozeman | Bridges to Baccalaureate (2002-2004) | Ft. Peck/Ft. Belknap CC's, Little Big Horn College | The purpose of the program is to ease the transition between the community colleges and MSU | MSU Faculty, students from tribal colleges, Director of AIRO | 22 | One student went to Optometry School in Portland, OR, 10 students went to 4 yr colleges |

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| MSU-Bozeman | For the continuation of this project from 2004-2006 | Ft. Peck/Ft. Belknap CC's; Little Big Horn College, Stone Child College, Chief Dull Knife College | The purpose of the program is to ease the transition between the community colleges and MSU and other 4 year colleges | MSU Faculty, students from tribal colleges, Director of AIRO | | This program just began Sept. 1 2004; since the students are chosen during the school year at the tribal colleges and attend MSU in the summer, there are no participants or results yet |
| MSU-Bozeman | Engaging students in the Learning Process | MSU Department of English, Blackfeet CC | A teacher training seminar to help BCC instructors learn strategies to broaden their ability to engage their students in the learning process | Dr. Philip Gaines, instructors from a wide range of disciplines at BCC | 25 | In addition to a prepared presentation, a rich and productive conversation around teaching issues- some unique to the tribal college context |
| MSU-Bozeman | BOREALIS/Workforce Development | Chief Dull Knife College, Salish Kootenai College, 6 other MSGC affiliates | To attract, train, & retain new students to studies in science & engineering by involving them in the full design-build-fly cycle of space experimentation | Students and faculty at the two colleges as well as members of 6 other MSGC affiliates | 20 | 2004-05 is the second year for the grant. So far, 5 students from MSU and 2 students (one selected for a second year) from Carroll College have completed summer internships at JPL. The main activity will be the chance to design/build/fly and experimental payload to the edge of space. |
| MSU-Bozeman | Project Skywatch | Chief Dull Knife College, Salish Kootenai, Little Big Horn, Ft. Peck CC | To teach and use hands-on sky observing techniques and telescopes as a model for scientific exploration | Students and faculty at the 4 listed colleges as well as members of the SW MT Astronomical Society and MSU faculty | 10-100 | Telescopes have been purchased and shipped to the four colleges; reference books and classroom materials have been ordered; initial contact has been made to train faculty at the tribal colleges in the use of telescopes and possible curriculum development; MSGC hosted a workshop in Billings where faculty had the opportunity to share successes and concerns; during the workshop faculty were trained in the use of telescopes and aided in curriculum development |

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| MSU-Bozeman | KC-135 – Reduced Gravity | Chief Dull Knife College | To provide an opportunity for undergraduate students to successfully propose, design, fabricate, fly and assess a reduced-gravity experiment of their choice over the course of 8 months | Chief Dull Knife College, MSU | 100+ | During 2002-03 two CDKC and 2 MSU students traveled to Johnson Space Center to fly with an experiment on the KC-135. As part of the outreach program, 6 reservation high school and middle school classrooms were involved in design and analysis of the experiments |
| MSU-Bozeman | Scholarship & ARES Programs | Chief Dull Knife, Little Big Horn, Salish Kootenai, Ft. Peck CC, Stone Child, Ft. Belknap, Blackfeet C, 8 other MSGC affiliates | To provide scholarships to undergraduates (\$1000/year) majoring in science, science-related math, and engineering programs. To support undergraduate research in one of the above areas (up to \$500/project) | Competing undergraduate students at each of the MSGC affiliates | 15-30 | Each year, at least one scholarship is awarded to a student at each of the affiliate schools; awards are made as the result of a competition and students may re-apply each year. During 2003-04, 5 students received ARES financial assistance to prepare an experiment on the KC-135 flight and to attend a professional meeting |

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| MSU-Bozeman | Montana BRIN | MSU-Bozeman, UM, McLaughlin Research Institute, Blackfeet CC, Chief Dull Knife, Ft. Belknap C, Ft. Peck CC, Little Big Horn, Stone Child, MSU-Northern, MSU-Billings, Western UM, Tech UM | To provide support for faculty at minority-serving institutions (grants for research and lab equipment, curricula development, and faculty travel awards) as well as for students (summer research programs at MSU and UM) to increase minority student participation in biomedical science education and careers as well as the biomedical research capacity of the State of Montana | Faculty, administrators, and students from tribal colleges | 145 | Student participation in BRIN summer undergraduate research programs. Presentations on bioinformatics, environmental health, water quality, science careers, and opportunities for faculty and students. Funding for equipment and enhancement of undergraduate research at tribal colleges. Faculty training in bioinformatics and grant-writing; networking between faculty at tribal college, four year colleges, and research universities; faculty access to library resources, research collaborations, mentoring, and travel support. Access and training for the BRIN Electron Microscopy Facility. Improvement of video conferencing capability. Participation by Tribal College academic administrators on BRIN Steering Committee |
| MSU-Bozeman | Mari Eggers | Little Big Horn College, Crow Agency | Graduate student at MSU-Bozeman and instructor at LBC | Students, Mari Eggers, Tad Weaver | | On-going |
| MSU-Bozeman | Undergraduate Mentoring in Environmental Biology (UMEB) program | Flathead Reservation | To train cohorts of 4 Native American /4 non-Native American undergraduates for two years | Students, Dave Roberts, Gary Belovski | 16 | On-going |
| MSU-Bozeman | Research Experience for Undergrads (REU) | Various Chemistry Professors | Further research knowledge of Native American College Students | Olivia Realbird, Orlena BirdinGround, Aaron LaFromBoise, Stormy Hulit | 4 | One student is currently enrolled at MSU and the other three are continuing their education at their Tribal College |

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| MSU-Bozeman | A Professional Development Model Towards a Community of Practice- A Science Teacher Professional Community on or near the Northern Cheyenne and Crow Indian Reservations | John Amend and Timothy Sorey with MSU; Chief Dull Knife College | Create and promote the growth and sustainability of a professional community of science teachers from tribal colleges on or near Northern Cheyenne and Crow Indian reservations in the state of Montana | Science Teachers | 15 | These interactions played an important role in shaping this professional development experience by helping to form a community of practice of science teachers that continued throughout the two-year program and is still active to date |
| MSU-Bozeman | SIRSI Library Catalog | Little Big Horn College, Chief Dull Knife College | Provide access to state-of-the-art online Integrated Library System | All who use the library catalog | ? | Improved access to library materials |
| MSU-Bozeman | Tribal College Librarians Professional Development Institute | Montana Tribal Colleges and librarians from Tribal Colleges throughout the US and Canada | Provide instruction for professional development in librarianship | Library staff from tribally controlled libraries | 30 | Stronger library services at libraries serving Native American communities |
| MSU-Bozeman | Museum of the Rockies Education Outreach Trunks | Gear-up Programs | Educational Enrichment | Gear-up students, teachers and parents Approximate numbers | 3860 | Curriculum enrichment |
| MSU-Bozeman | Museum of the Rockies school tours and special classes | Hardin Summer Program | Educational Enrichment | Elementary and middle school, approximate numbers | 25 | Curriculum enrichment |
| MSU-Bozeman | Museum of the Rockies school tours and special classes | Gear-up Programs | Educational Enrichment | High School, approximate numbers | 125 | Curriculum enrichment |
| MSU-Bozeman | Museum of the Rockies school tours and special classes | Salish Kootenai College | Educational Enrichment | High School, approximate numbers | 55 | Curriculum enrichment |

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| MSU-Bozeman | Museum of the Rockies school tours and special classes | AIRO High School programs | Educational Enrichment | High School | 34 | Curriculum enrichment |
| MSU-Bozeman | CO-OP (Caring for Our Own Project) | All tribal colleges except SKC | Provide a linkage with tribal college advisors and students interested in the MSU-Bozeman College of Nursing and the CO-OP program | Tribal college pre-nursing students and advisors | 75 | Students and advisors are better informed about College of Nursing requirements, transfer and financial aid information, and career opportunities |
| MSU-Great Falls College of Technology | Dental Hygiene Advisory Pipeline | Salish Kootenai College (SKC) | To give SKC students accurate, up-to-date information on pre-requisites/admissions processes for MSU—Great Falls CoT's Dental Hygiene Program | Designated SKC advisor, GF dental hygiene director, and health sciences department chair at GF CoT | 1 advisor at SKC 3 advisors at COT | -Several inquiries on dental hygiene from SKC students -One SKC graduate now enrolled in Dental Hygiene |
| MSU-Northern | Elementary Education degree with 4 Tribal Colleges | Fort Peck, Fort Belknap, Blackfeet, and Stone Child Colleges | To increase number of Native American elementary education teachers in reservation schools via four-year degree program in their areas. | 2-yr. students, who complete pre-education curriculum and are admitted to MSU-N's EIED program. | 70 | 19 Native American students earned EIED degree last year; 14 expected to graduate spring '03. 40 more in the pre-education pipeline at TC's. |
| MSU-Northern | SMET | Stone Child and Blackfeet Colleges | Recruit and retain American Indian students in the fields of science and math education | MSUN faculty advisory to Stone Child science/math faculty; five Blackfeet students in 1-week institute | 45 | Developmental program underway to retain students in math/science courses at Stone Child; 2nd institute planned for summer 2003 for 10-15 Blackfeet students. |
| MT-Tech of The UM | RMRHSRC TOSC / TAB & MWTP Programs | Montana Tech, Ft. Belknap Env. Office and Tribal College | Provide outreach and education to Ft. Belknap Reservation | Montana Tech Ft. Belknap | 30 | Ft. Belknap awarded \$200K Brownfields Assessment Grant Trained 9 students in GIS. |
| MT-Tech of The UM | RMRHSRC TOSC / TAB & MWTP Programs | Montana Tech and Stone Child College | Provide outreach and education to Rocky Boy Agency | Montana Tech Rocky Boy Agency | 30 | Field Camp for 30 students in Hydrogeology and Baseline Monitoring |

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| MT-Tech of The UM | RMRHSRC TOSC /TAB & MWTP Programs | Montana Tech, Little Big Horn College, and Crow Nation Tribal Govt. | Provided outreach, education & job training | Montana Tech Little Big Horn College Crow Nation | 129 | Taught 15 courses for Environmental Job Training; provided education concerning Brownfields (Big Horn Carpet Mill) |
| MT-Tech of The UM | RMRHSRC TOSC/TAB & MWTP Programs | Montana Tech BlackFeet Community College | Provided Outreach Brownfields 101 | Montana Tech Blackfeet Environmental Protection Office Blackfeet Community College | 20 Televised on local TV Station | Providing Outreach concerning Brownfields Issues. |
| MT-Tech of The UM | Tour of Nations | Salish Kootenai, Chief Dull Knife Memorial, Fort Peck, and Fort Belknap Colleges | Native American undergrad engineering students from Tech visit TC's across MT to lead classroom engineering activities. | MT Tribal College students + Tech students, | 7-15 Tech Students reach 200 students | Gives TC students role models, mentors; creates a support structure for TC students completing 4-year degree while maintaining their cultural identity. |
| UM- Missoula | Dual Admission Agreements | UM- Missoula, Blackfeet, Fort Belknap, Salish Kootenai, Chief Dull Knife, Little Big Horn, Fort Peck, Stone Child Colleges | To promote the successful transfer of students between institutions. | Tribal Colleges and UM-Missoula | 12 students in fall 2002 from Blackfeet College | Programs provide students w academic advising, transfer counseling and elimination of application fees to the transfer institution. |
| UM- Missoula | COPS/Safe Schools | UM DERS; Lame Deer Public Schools; Tribal Court, Lodge Grass Public Schools; Chief Dull Knife College | Develop safe school strategies, civil behavior, transportation safety and peer mediation; alternative sentencing; conflict management; grief and bereavement management | Teachers, counselors, bus drivers, tribal court, community, law enforcement tribal college Administrators Faculty/Staff | 350 | Promising results thus far, will be following up with a safety survey for students, teachers, administrators and paraprofessionals. |

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| UM- Missoula | Montana Public Access Catalog | UM-M and UM Affiliates | Resource Sharing | Salish Kootenai College (SKC) Library | 6,753 SKC searches- 15,823 results- 2,360 items ck'd | SKC students and faculty did online searches in 2002; checked 2,360 items. Also 150 UM-M library users limited their searches to SKC exclusively in 2002. |
| UM- Missoula | Rocky Mountains Cooperative Ecosystem Studies Unit | Salish Kootenai College | Research, Technical Assistance, and Education Collaboration | Faculty and students | | Work with faculty on federal land mgt. issues; place students in seasonal positions w Glacier Nat'l Park. |
| UM- Missoula | Bridging American Indians into Research | Salish Kootenai, Blackfeet, and Chief Dull Knife Colleges | Introduce American Indians into career opportunities in research | Students of SKC, Chief Dull Knife Memorial, Blackfeet Colleges | 20 | Ongoing project every summer. |
| UM- Missoula | Project TRAIN (funded by NSF-UMEB and NSF-REU Site) | UM-Missoula, Div. Biological Science+Salish Kootenai College (SKC) | Provide research experiences for American Indian students, develop new courses and mentoring experiences | UM and SKC faculty and students | 25 | Multiple research experiences, joint UM-SKC seminar, faculty mentoring materials, poster presentation session |
| UM-Western | Indian Teacher Education Program | Salish-Kootenai College | To increase the number of Indian elementary teachers in Montana by offering UMW's teacher education program on the campus of SKC. Assist SKC in the development of their own teacher education program | SKC students interested in becoming elementary teachers. | 40 | About 20 students graduated to date, another 20 at some stage of completion |
| Flathead Valley Community College | Northwest Tech/Prep Consortium | Salish Kootenai College, Blackfeet College | Dual high school/college credit, curriculum development standardization | high school students | 8 | Increase coordination on curriculum and program implementation |

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| Flathead Valley Community College | Montana Campus Compact (MUS) | Blackfeet Community College, Little Bighorn College, Salish Kootenai College, Fort Peck College | To develop student citizenship, encourage partnerships between MT colleges/universities and MT communities, assist MT college and university faculty who seek to integrate public and community engagement into their courses and research | MT college and university administration, faculty, staff, and students, MT community agencies | MTCC Partners: 4 | Benefit community members at risk and provide service opportunities for students and faculty |
| Flathead Valley Community College | Northern Rockies Research Park and Technology Corridor (NorCor) | Salish Kootenai College, University of Montana-Missoula, and Ravalli County | FVCC is a partner with University of Montana, Salish Kootenai College, and Ravalli County Chamber of Commerce /EDA in the Northern Rockies Research Park and Technology Corridor to generate new technology-based businesses in Western Montana. | University of Montana-Missoula, Salish Kootenai College, and Ravalli County | N/A | Establishment of MonTech Enterprise Center in Missoula and proposal of ValTech Enterprise Center at FVCC |