

Services Offered to Tribal Colleges



Provided by

Partnership for Environmental Technology Education
(PETE) Website: www.ateec.org/pete

and

Advanced Technology Environmental and Energy
Center (ATEEC) Website: www.ateec.org

NSF ATE Project: "A National Collaboration to Strengthen the Advanced Environmental Technology Education Programs at Tribal Colleges"

The proposed services of this project will ensure that project activities and outcomes of this STEM project reflect the historic/cultural beliefs and contributions of Native Americans.

1. **Program Planning and/or Improvement through Technical Assistance.** We will provide on-site technical expertise to help you and your college through the following activities:
 - a. **Conduct Program assessment** to better tailor an existing degree/certificate program or to develop a new degree/certificate program to match local environmental job opportunities with the Tribe, local, state, and Federal governments, non-profit, business and industry employers. This process is called "Developing A CurriculUM" or "DACUM". For more about this process, see appendix X.
 - b. **Conduct a job market/labor market assessment** for environmentally related occupational opportunities in your region.
 - c. **Develop an Environmental Technology Jobs Chart** which lists environmentally related job categories and the functions carried out by people in each type of job, for both Tribal and non-Tribal jobs in your region. This helps to answer students' questions about, "What can I do with a degree in X?" and will also be an excellent recruiting tool for your program.
 - d. Develop or improve your **Plan for student recruitment, tracking and retention** in your College's environmental degree/certificate program(s).
 - e. Develop a local **"Advisory Committee"** for your science/environmental degree/certificate programs. Advisory committees are composed of knowledgeable individuals from business, government and industry who are selected to advise and consult with administrators and faculty on the educational programs of an institution.

2. **Faculty Development.** **In 2009 & 2010** we will provide two (2) annual week-long faculty development opportunities for you or your faculty. It will be known as the Tribal College Environmental Fellows Institute and will include:
 - a. **Solicitation of 25 faculty** each year from the nation's Tribal Colleges. During year 2 (2009) the institute's proposed focus will be on Water Quality. The project will provide travel, overnight, meals and stipends for the participants selected.

- b. **Rich experiences that are aligned to the needs of the Tribal Colleges** that will strengthen STEM education in environmental programs. This will include classroom, field work and hands-on elements.
 - c. **Candidate selection based on guidelines and criteria developed by the Tribal College Project Committee.** Four positions will be reserved for 4-year degree granting institutions and high schools that have ongoing articulation agreements with a Tribal College.
 - d. **Provide mini-grants to the faculty** to allow them to incorporate STEM curricular activities into their classrooms.
 3. **Provide electronic forms of distance-delivered technical assistance to Tribal Colleges.**
In addition to on-site technical assistance, Tribal Colleges can find more resources and connect with other faculty and Tribal colleges through:
 - a. **A section of the ATEEC website** that is dedicated for use by Tribal Colleges.
 - b. Information on the use of **ATEEC's Electronic Environmental Resource Library (eERL)** and a project listserv to be used to facilitate discussion, networking and information flow to project participants.
 - c. **Facilitation of live simultaneous online meetings** through the World Wide Web for the participating Tribal Colleges to improve networking and avoid travel.
 4. **Dissemination of the project.** We will share what was learned through the grant and provide national exposure to the unique practices of Tribal college environmental programs. This will be accomplished through:
 - a. **One-fifth of the Tribal Colleges will have representation** on the Steering Committee and all 34 Tribal Colleges will be invited to actively participate through the Fellows Institute.
 - b. **The Tribal project website and listserv** of the ATEEC website will facilitate the dissemination of project activities, products and outcomes.
 - c. The ATEEC product, *Best Practices* <http://www.ateec.org/store/catalog/Best-Practices---A-Guidebook-for-Environmental-Technology-Credit-Programs-2.html> – *How to Successfully Establish an Environmental Science/Technology (or related area) Program* manual is to be updated with **highlighted Native American case studies.**



More detailed explanation of these services and more can be found on the Tribal Colleges project website at: www.ateec.org/profdev/tribal