### END OF ACADEMIC YEAR 2009-2010 REPORT

# Applied Science Department Marilyn Kockrow, Director May 18, 2010 OVERVIEW AND HIGHLIGHTS

The Applied Science Department focused on assessment, program revisions, student retention, and community involvement. The department currently has the following programs: Customer Service, Electrical Technology, Entrepreneurship, General Construction, HVAC (Heating, Ventilation, & Air Conditioning), Office Technology, Plumbing, and Television Production.

## **Department Staff/Faculty for 2009-2010 Academic Year:**

Marilyn Kockrow, Applied Science Director

Faith Pourier, Department Secretary

Kathleen Aplan, TV Production Instructor

Paul Cedarface, Entrepreneurship Instructor

Marlin Fineran, Electrical Instructor

Crystal Paulson, Customer Service Instructor

Lyle Wilson, General Construction Instructor

Leonard Lone Hill, General Construction Instructor

Angela Koenen, Office Technology Instructor

#### **Programs and Accomplishments:**

Customer Service: This Program has much community interest, because the Prairie Wind Casino Training Manager, Oglala Sioux Tribal Human Resource Director, and the Pine Ridge School System have asked for the department's help in training their employees and getting them enrolled into classes or to set up workshops. Customer Service Skills are the most

customer Service as their major. We will have 1 AAS graduate and 1 Certificate. We actively pursued students to enroll in this program for fall 2009, and expected more of an increase in students. The Department at their request held one workshop with 42 attendees at the Prairie Wind Casino. The Casino committed to having more workshops done in this area for their employees, but due to their funding, we only held one. Their employees are on 24 hr-7 day-rotation schedules, so workshops do work better than classes due to the scheduling.

**Entrepreneurship Program:** This program is a role model for other tribal colleges that are funded by the Johnson Scholarship Program. There are 51 active students in this program. It attracts students because of the push for economic development across the reservation. The Entrepreneurship Program will be moving to the Business Department in fall 2010.

The Applied Science Team tried to revamp the Entrepreneurship Program to better suit the needs of Entrepreneurs wanting to start a business on the Pine Ridge Indian Reservation.

The General Construction, Electrical, HVAC, Plumbing, and TV Production Students have been asking for a better curriculum for specific vocational areas of expertise. The revised curriculum would have included more information about the requirements, the numerous applications that entrepreneurs encounter (including Native American Preference), the job bidding process, and a host of other responsibilities involved in the planning and the operations of their own businesses. This curriculum passed through the OLC Committee Structure and was returned by the Vice President of Instruction with the signature of President Thomas Shortbull. These students received a Johnson Foundation Scholarship, and a student stipend. The Entrepreneurship Program that the Business Department took through committee for insertion into the catalog will not be feasible for the Vocational students, because of all the prerequisites, and having it as an

option to the AA in Business. It requires Math 134 as well, so it would extend the Vocational Students graduation date, which will be difficult for our students.

Office Technology: This Program remains the largest enrollment due to the fact that it applies to nearly every office position across the reservation. Students doing internships are sought after every semester, and many times, they end up with employment in their place of Internship. There are 93 active students enrolled in spring 2010, which was a large increase of students. We willgraduate 3 with AAS Degrees and 8 with Certificates. There are 158 students who have declared Office Technology as their majors so we are actively seeking the students who have dropped out. Our goal was to move students from inactive to active status during this year and next year. This degree is applicable to all the secretarial office jobs in the 57 Tribal Programs, the Casino, the school systems, and OLC, just to name a few.

The Trades Programs (Electrical, General Construction, Plumbing, & HVAC):

These programs have been very successful this year due to the fact that the students were able to complete a third house and have started a 4-plex housing unit for staff or faculty. The houses are 1,560 square feet with three bedrooms and two bathrooms. The first was built with seed money from the South Dakota Governor's Office, which helped secure a sustainable program by selling the house and using the funds for the next house, and continuing on with the same process.

These funds allowed the students to gain competitive employable skills in the Trades Areas. The first house was sold for \$55,061 and the second and third houses have been purchased by the College for faculty or staff housing. There were 81 students enrolled in the Trades Programs, in the spring of 2010, 17 students enrolled in On-Site Construction Classes. Some students are taking the College Core first. In the Occupational Safety Course, students received training in CPR and received CPR Cards in the fall of 2009, and 11 students are currently enrolled. The

Department has purchased an Emergency Heart Start Defibrillator, and all of the students receiving CPR Cards know how to use it. The Department will award 3 AAS Degrees and 3 Certificates in the Trades areas.

**Television Production Awards and Accomplishments prepared by Kathleen Aplan:** 

Summer 2009: Two students were hired from the TV Production Program to work on a NSF grant researching and videotaping various historical sites and other locations of interest on the Pine Ridge Reservation, this included interview with elders and events. There were also collaborations with other departments and the Alliance for Tribal Tourism Advocates. Student Ladeanne Young Bull Bear attended the Fox American Indian Summer Institute in Los Angeles, CA where attendees created PSA's regarding the 2010 census. Instructor Kathy Aplan and Student Jesse Short Bull attended the Federal Communications Commission Telecommunications workshop in July.

**Fall 2009:** Answering a call for Veteran's Day videos, Student Jesse Short Bull submitted a video on the Oglala Scouts "Tonweya Akicta" to the Smithsonian's Museum of the American Indian.

**Spring 2010:** Students interviewed 14 community leaders in Rapid City and Pine Ridge for their spring semester projects. Three students submitted videos for competition at the American Indian Higher Education Consortium annual film festival. Student Leon Rongstad placed 2<sup>nd</sup>. Jesse Short Bull's video "Tonweya Akicta" was accepted into the first Black Hills Film Festival in the student division.

Instructor Kathy Aplan presented students work on historical sites at a local Tourism Summit to help support efforts to increase tourism to the reservation and help with economic development. The students' work was well received. One student will receive a certificate.

Kathy Aplan is currently the newsletter editor the Broadcast Education Association Documentary Division. Kathy has completed nine graduate hours with a 4.0 GPA.

## Re-cap of Program Graduates for the Applied Science Department are as follows for 2009:

Customer Service 2
Office Technology 11
TV Production 1
Trades 6

Total Graduates 20 degrees/certificates

The department degrees/certificates are approximately 13 percent of the number of degrees and certificates that will be awarded.

#### **Department Goals:**

Goal 4.2 Assure that the Applied Science Department is implementing an ongoing Assessment Plan, and is utilizing the results for planning, curriculum, and professional development. Goal 4.2 was reached.

A NOCTI (National Occupational Career Testing Institute) pre-assessment was proctored to 57 students during the Ethics in the Work Place Class. This course is required by every program in the Applied Science Department. Students will take the post-assessment during their Internship or during their last semester in the Trades Areas. The post-assessment is the exact same assessment as the pre-assessment, to evaluate their employment skills and weaknesses as well as the Programs' effectiveness or deficiencies. The individual assessments have been linked (added) to the student's individual file at the Registrar's Office. These skills assessments can be used by the student as an employment tool if the student wishes to attach it to his or her resume. The department director, who is also the assessment proctor, will receive reports on how the students compared at a local, state, and national level. This in time will help determine possible changes that may be necessary in curriculum, faculty, or program. The students receive immediate feedback when they click on "submit". The students are very excited to leave the testing site with the assessment scores in their hands.

Goal 4.3 Full-time faculties will teach 70% of department courses offered each semester. Number of Course Sections Offered: Goal was not reached by 11 Percent.

Semester	F/T Faculty	Staff	Adjunct	Total
Summer 09	4			4
Fall 09	33	6	26	65
Spring 10	36	9	12	57
Summer 10	3	0	0	3
Total	76	15	38	129

The department is credited for producing 5 FTEs for summer 2009, 118.83 FTEs for fall 2009, 116.17 for spring 2010, and 17.3 for summer 2010, which amounted to 257.3 FTEs, which earned approximately \$1,029,200, which is an increase of \$92,200 over last year. The percentage of classes taught by full-time faculty was 59%.

Submitted by:

Marilyn Kockrow, Director