

## **END OF ACADEMIC YEAR REPORT**

**2008-2009**

**Applied Science Department**

**Marilyn Kockrow, Director**

**July 28, 2009**

### **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 2008-2009 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

Vacant, Plumbing Instructor

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

**Customer Service:** This Program has much community interest, because the Prairie Wind Casino Training Manager and Oglala Sioux Tribal Human Resource Director have both

asked for the department's help in training their employees and getting them enrolled in classes. The department prepared a survey to be distributed to their employees for their interests, skill levels, and needs. Customer Service Skills is the most important skill set for this depressed economy. We currently have 17 who have declared Customer Service as their major. We had 1 AAS graduate and 1 Certificate. We actively pursued students to enroll in this program for fall 2009, and are expecting an increase in students. The Department at their request held one workshop with 42 attendees at the Prairie Wind Casino. The Casino has committed to having more workshops done in this area for their employees. Their employees are on 24 hr 7 day rotating 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 22 active students in this program, and only one student if continuing to a BS degree. It attracts students because of the push for economic development across the reservation. An Entrepreneurial Computer Lab has been established at Piya Wiconi in the Applied Science Building. This is for use by the students and community members to use when researching and working on a Business Plan. The CORE Four Curriculum was used again this year, which is required by the Lakota Fund for providing loans to new entrepreneurs.

The Applied Science Team has revamped 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 will include 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 has passed through the OLC Committee Structure and will be published and implemented in the new (fall 2010) catalogue. These students receive a Johnson Foundation Scholarship, and a student stipend.

**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 were 47 active students enrolled in spring 2009 an increase from 25. We graduated 3 AAS Degrees and 8 Certificates. There are 158 students who have declared Office Technology as their majors so we are actively seeking the students who have dropped out by extending contracts to 3 instructors to work on recruitment and retention of students. Our goal is to move students from inactive to active during this 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 second house and at least half of a third house. 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 house has been advertised for a minimum bid of \$65,000 with Oglala Sioux Tribal Members having first priority. There are currently 35 students enrolled in the

Trades Programs. Some students are taking the College Core first. In the Occupational Safety Course, 17 students received training in CPR and received CPR Cards. The Department has purchased an Emergency Heart Start Defibrillator, and all of the students receiving CPR Cards know how to use it. The Department awarded 3 AAS Degrees and 3 Certificates in the Trades areas.

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

The TV Production Students are very active in the community and social events. In conjunction with the South Dakota Public Radio, OLC's TV Production Students attended the Black Hills Pow-Wow and interviewed elders as a part of a broader opportunity with the "We Shall Remain" Series for PBS that aired in the spring of 2009. Students also interviewed elders for class and may have the opportunity for one of them to present a five-minute piece of their project during the Rapid City Premiere of the "Wounded Knee" part of the series. Students attended and filmed Little Wound Middle School Career Day, and attended the Annual Crazy Horse Journalism Conference this spring. Students are recording and producing broadcast news stories, and are creating PSA's (Public Service Announcements). Four students showed their video projects during the film festival at AIHEC 2009. Two students placed in the competition. We currently have 15 students enrolled, and we awarded 1 Certificate in spring 2009.

**Program Graduates for the Applied Science Department are as follows:**

Customer Service	2
Office Technology	11
TV Production	1
Trades	6
<b>Total Graduates</b>	<b>20 degrees/certificates</b>

The department degrees/certificates are approximately 13 percent of the number of degrees and certificates 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 63 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. At this time, we do not have anyone who has taken both the pre and post-assessments, because the NOCTI Assessments were just implemented in fall of 2007 and no students have completed their degrees since who have taken the pre-assessment. There should be some starting in the fall 2009 semester. 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 reached by 78 Percent.

Semester	F/T Faculty	Staff	Adjunct	Total
Summer 08	7			7
Fall 08	38		9	47

<b>Spring 09</b>	<b>33</b>	<b>2</b>	<b>14</b>	<b>49</b>
<b>Summer 09</b>	<b>4</b>			<b>4</b>
<b>Total</b>	<b>82</b>	<b>2</b>	<b>23</b>	<b>105</b>

The department is credited for producing 116.08 FTEs for fall 2008 and 118.17 for spring 2009, which earned approximately \$937,000, which is an increase of 67,000 over last year. The percentage of classes taught by full-time faculty was 78%.

Submitted by:  
Marilyn Kockrow