

## **GCPTA MEETING MINUTES**

South Shore Harbour Resort, League City

Date: Friday, August 1, 2008

Time: 9 a.m. – 12 noon

President Steve Ames opened the business meeting and welcomed everyone in attendance. There were 58 members and guests in attendance. All in attendance gave introductions.

### **Approval of Last Meeting Minutes and New Members – Eric Newby, BASF/GCPTA Secretary**

Minutes of the April 25, 2008, will be mailed to voting members of the Steering Committee for approval.

The following were approved by the Steering Committee to become new members of the GCPTA.

### **In-Region Voting Endorsed College Membership**

None

### **In-Region Non-Voting Associate College Membership**

1. Dewey Greer, Kilgore College

### **In-Region Non-Voting Associate Membership**

1. Carrie Ismon, CrossTex Energy, Ft. Worth, TX
2. Dennis Shifflett, CrossTex Energy, Ft. Worth, TX
3. Kathryn Wentz, Texas Petrochemicals, Houston, TX
4. Ed Reynolds, Eastman Chemical Co., Kingsport, TN

### **Out-of-Region Associate Membership**

None

### **Presentation, Eastman Chemical Company -- Steve Ames, ExxonMobil, President of GCPTA**

President Steve Ames and Public Affairs Director Harry Wood received a large check from I. J. (Pete) Lamothe, Manager of Learning Services at Eastman Chemical Company in Longview, representing the \$2,000 donated to support the Public Affairs marketing efforts.

### **Best Practice, Internship Guides, Dorothy Ortego, McNeese State University, Co-Chair of Standards and Quality Committee**

Dorothy Ortego of McNeese State University, chair of the Louisiana PTEC Education Committee, presented the committee's guidelines for colleges and industry to use for interning PTEC students. The guidelines give procedures and outcomes colleges and industry can follow and achieve when students are involved in internships, both on and off campus. By following these guidelines, the interns receive credit for the internships as a part of their degree programs. Look for these guidelines on the Alliance website, [www.gcpta.org](http://www.gcpta.org).

### **Summer Camps – Harry Wood, Public Affairs Director, GCPTA**

Public Affairs Director Harry Wood introduced the member colleges that conducted STeP Institutes and Open Houses this summer. Two colleges, Alvin Community College and Victoria College, received GCPTA awards to conduct Open Houses, and Brazosport College and Lamar Institute of Technology received awards to stage week-long science and technology career awareness institutes for females entering the 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grades of high school.

**Alvin Open House** – Mark Demark, PTEC program director at Alvin Community College, discussed how his open house was organized and how successful it was. Alvin held its Open House on June 17 with more than 220 in attendance. Mark credited industry with a great deal of support, both by their presence, and their finances. He said the college identified 121 individuals who were prospects for the program, some of whom the college advised and enrolled the night of the open house. Mark said the biggest improvement to this effort would be more Industry participation, the students and their parents really want to talk to Industry. College advisement, registration and financial aid officials were present at the open house. Mark's PowerPoint presentation can be viewed on the Alliance website, [www.gcpta.org](http://www.gcpta.org)

**Victoria Open House** – While no one was present to report on the Victoria College Open House, it was held May 8. Anita Brunsting in her written report said the college received support from industry as well. She reported that 24 prospective students and parents attended the Open House.

**Brazosport College STeP Institute** -- Gemi Powell of Brazosport College's Workforce Training Department presented a PowerPoint program on the weeklong STeP Institute held for females at Brazosport. She showed photos of various activities in which the girls took place. There were 14 girls enrolled in the Brazosport College camp. Besides experiments and activities, the girls worked on both the inside labs and the outside unit at Brazosport. BASF also treated the students to a plant tour. The workshop was held June 9 – 13.

**Lamar Institute of Technology STeP Institute** – Vicki Rowlett, chemistry and physics instructor at LIT, reported that 13 students, on July 21-25, attended the college's workshop. Vicki said the college opened its workshop to males, for fear it would not attract enough students. She said the school's public information office arranged for her to appear on several television morning news shows which helped bolster her enrollment. Originally, she had applications from 24 high school students, but the first day a smaller number actually enrolled. Rowlett said her group toured ExxonMobil and the Texas Energy Museum in Beaumont.

The colleges received a grant from the National Science Foundation and the Center for the Advancement of Process Technology, through the GCPTA. Funds helped to purchase advertising, supplies and pay for the breakfast and lunch meals for the attendees.

**Public Affairs Committee Report – Mike Kukuk of College of the Mainland, co-chair**

Mike Kukuk report that the committee is awaiting the approval of two industrial firms on their company employees' portions of the video before the projects enters its final phase to burn and distribute DVDs of the video. He showed a visual of how the opening page of the video will look with nine individual testimonies, in addition to the video link from the front page. Kukuk anticipated that the first DVDs might begin to be distributed to the college around August 15. The DVD is not copyrighted and may be copied for use by those wishing to promote the career field of Process Technology. He also reported that the committee would study suggestions made at a GCPTA Vision meeting on Thursday, July 31, and begin to develop actions plans for addressing those suggestions.

**Standards and Quality Committee Report – Dorothy Ortego, McNeese State University, co-chair**

Dorothy Ortego announced that the Standards and Quality Committee had accepted the necessary paperwork for ITI Technical College of Baton Rouge to become the 16<sup>th</sup> education provider to be

endorsed by GCPTA. She presented a plaque to Jack Baggett, PTEC Program Director, and Louis Babin of ITI Technical College.

**Visions Meeting Report, Martha McKinley, Executive Director of GCPTA**

Martha McKinley reported a Vision meeting, of members of the Executive Committee and standing committees, was held on Thursday, July 31. She said a report of the brainstorming sessions and ideas generated there would be prepared and emailed to the committee co-chairs. Work will continue in each committee group. The [ad hoc] Sustainability Committee, chaired by Eric Newby, will be reconvened to focus on broadening the horizons of the Alliance. She also announced the appointment of Glenn Johnson of Sun Products, as Treasurer to fill the remaining term for that office; and that John Hough of Louisiana Community and Technical College System was appointed Education co-chair of the Finance Committee. The Finance Committee was encouraged to pursue ways to generate more income for the organization.

**New Business – Steve Ames, ExxonMobil, GCPTA President**

Houston Community College reported needing a full-time (9-month contract) PTEC instructor. Mike Kukuk of College of the Mainland reported the need for a full-time instructor for instrumentation, electrical, millwright, welding, and machining (pipefitting). Gary Hicks, Brazosport College, needs to fill a full-time instrumentation technician position.

Bill Raley suggested the Alliance recognize Dr. Glenda Barron, of the Texas Higher Education Coordinating Board, for her support of the Process Technology program. Dr. Barron is leaving the Board to accept the Presidency of Temple College. He suggested a plaque or some other type symbol as a gesture of thanks.

President Steve Ames referred a proposal for colleges to require students to take the CAPT exit exam before graduation to the Standards and Quality Committee for study. The following verbal discussion and comments are from several members about the exit examination.

David Landry (DuPont), who is Kevin Underwood's representative, stated that his site would not hire a new employee who has not taken and passed the test. He called for the exam to be administered by the colleges and allow the students to be reimbursed by the company. His official request was to ask the exam to be incorporated into the PTEC curriculum.

Mike Speegle (San Jacinto College) stated that PTEC should be a national or state certified program.

Bill Raley (College of the Mainland) stated industry should work more closely with colleges to implement and require the exam.

Keith Tolleson (Nunez College) suggested making the test an entrance examination taken prior to entering the PTEC program.

Randy Lewellen (Kilgore College) & Linton Lecompte (Sowela Tech) do not see a problem with building the test into the PTEC curriculum. Spread the exam cost over several courses and hold the money in escrow until the student is ready to take the test.

Richard Ortloff (ExxonMobil, Beaumont) is not endorsing the test. He has seen wide variation in the knowledge level of graduates from different school programs. Issues with school programs should be resolved first.

Eric Newby, secretary of GCPTA, announced that less than half of the membership of GCPTA has made subscription donations for the current year. He urged members to check on their subscriptions and make those donations as soon as possible. He reviewed the four levels of subscriptions – College, \$750; Vendor, \$1,000; industry, \$1,500; and corporation sponsorships for those with more than one member plant, \$5,000.

Martha McKinley recognized Rita Ames, administrative assistant, for her outstanding work with the organization during the period when the organization was without an Executive Director. Rita will be working fewer hours as she takes on the bookkeeping responsibilities of the organization and Martha takes on the role of the Executive Director.

John Dees, CAPT Inc., informed members the Equipment textbook would be available on August 11 with a cost of less than \$50.<sup>00</sup>. Plans are under way to begin the Systems textbook; please consider sponsoring a chapter. A newly formed committee will decide the format for the Troubleshooting textbook in the near future.

Melissa Collins, CAPT COM, informed members their Equipment textbook would be available in hardback during the month of December. They will host a conference in Galveston, Texas in the spring.

Thanks again to Baker Energy, Walter Jackson, and his staff for sponsoring our continental breakfast and for providing the informational booth at the meeting. We appreciate your help and support of the Alliance!

The meeting adjourned at 12:00 p.m. Members shared networking opportunities during lunch.

#### **Future GCPTA Meetings**

- ***Friday, November 7, 2008, Isle of Capri, Lake Charles, Louisiana***
- ***Friday, January 29, 2008, South Shore Harbour, League City, TX***

Respectfully submitted,  
***Harry Wood & Martha McKinley***

copy to file

**College Advisory Report: 8-10-2008 SUMMER 2008**

College Name **Alvin Community College**

Person Reporting **Mark Demark**

**Student Information:**

Number Enrolled **127** Number of Interns/Coops **1**

Expected Graduates **20** Number on Scholarships **6**

**Student Organization Activities:**

**No Process Technology specific student activities**

**Comments: (Tell us about your student internships, student scholarships, special programs, etc.)**

**One student interning with Shell Offshore on the Brutus Platform in Gulf of Mexico**

**High School PTech Programs:**

Number of Students **none** Number of High Schools **none**

**Comments:**

**Alvin ISD has been working with our TechPrep Coordinator, Christina Maartens, in starting a program.**

**New Equipment: (Special units, plants, etc. (if donated, by whom))**

**New special process training unit is being built by Bayport Training and Technical Center.**

**The unit will incorporate foundation fieldbus by Emerson Delta V, level control by Magnetrol/Orion, and control valves by Samson.**

**Advisory Committee Meetings:**

**Recent Past Date 6-17-2008 Next Scheduled Date 9-10-2008**

**Hot Topics:**

**Develop a Vision, Mission, Objectives, and Assigned Goals statement**

**Discuss Summer Open House held on 6-17-2008**

**Discuss Fall High School Forum & Project Interview**

**Discuss plant-donated equipment**

**Discuss duties of Process Technology Advisory Committee Chair & Chair-Elect**

**New Best Practice:**

**Process Technology Advisory Committee chair serves for two years; then the Chair-Elect will follow and a new Chair-Elect will be selected.**

**Upcoming Events:**

**Fall High School Forum**

**Fall Project Interview**

**College Semester Report Date: Summer 2008**

College Name: Baton Rouge Community College

Person Reporting: Dr. Sharon Flanagan

**Student Information:**

Number Enrolled 16 Number of Interns/Coops 7

Expected Graduates 12 Number on Scholarships ?

**Student Organization Activities:**

None

Comments: (Let us know about your student internships, student scholarships, special programs, etc.)

All Internship students have industry placements during this summer semester

**High School PTech Programs:**

Number of Students N/A Number of High Schools \_\_\_\_\_

Comments: \_\_\_\_\_

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**New Equipment:**

(Special units, plants, etc. (if donated, by whom))

Hydraulic Trainer - purchase

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**Advisory Committee Meetings:**

<b>Recent Past Date</b>	<b>TBH July 24th</b>	<b>New Scheduled Date</b>
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**Hot Topics:**

Activities to be built into the new Process Education Unit at the school. Advisory Board members will bring their Plant Managers or Training directors to the meeting to assure that the activities include those that could benefit incumbent worker training.

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**New Best Practice:**

Communication – more emails, phone calls, etc.

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**Upcoming Events:**

Departmental Clean-up of two areas – storeroom and wet lab (I cannot imagine what we will find)

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# College Semester Report Date: Summer

College Name: College of the Mainland

Person Reporting: Jerry Duncan

## Student Information:

Number Enrolled 300

Number of Interns/Coops 5

Expected Graduates 70 Annually

Number on Scholarships

Student Organization Activities:

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Comments: (Let us know about your student internships, student scholarships, special programs, etc.)

The BP internship celebrated their hiring of the 100<sup>th</sup> intern. BP typically hires 92% of their interns

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High School PTech Programs:

Number of Students

Number of High Schools

Comments:

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**New Equipment:**

(Special units, plants, etc. (if donated, by whom))

The advanced process systems course is ready to be piloted in the Fall of 2008. We added a 20 foot ladder to the glycol separation unit which will allow students to experience climbing

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**Advisory Committee Meetings:**

**Recent Past Date 4/29/08**

**New Scheduled Date 7/29/08**

**Hot Topics:**

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**New Best Practice:**

Special Physical Education class for PTEC students

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**Upcoming Events:**

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**College Semester Report Date: Summer**

College Name: Del Mar College

Person Reporting: Denise Rector

**Student Information:**

Number Enrolled 85 Number of Interns/Coops 8

Expected Graduates 12 (August) Number on Scholarships 5

**Student Organization Activities:**

None

**Comments: (Let us know about your student internships, student scholarships, special programs, etc.)**

There are eight students in the internship program during the summer semester.

This is the first time Lyondell Basel has offered internships to six of those students in the program and have expressed their interest in hosting more interns in the fall semester.

Flint Hills Resources has been hiring students to participate in a PSP pool to work in operations/maintenance needs for the plant.

**High School PTech Programs:**

Number of Students \_\_\_\_\_ Number of High Schools \_\_\_\_\_

Comments: \_\_\_\_\_

None

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**New Equipment:**

(Special units, plants, etc. (if donated, by whom))

We will be moving back into our newly remodeled building for the fall semester. We have  
a larger lab space, updated classroom and other building facilities.

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**Advisory Committee Meetings:**

<b>Recent Past Date</b>	<b>July 24</b>	<b>New Scheduled Date</b>	<b>Oct.</b>
<b>16</b>			

**Hot Topics:**

We discussed ways to reach parents to encourage students to enroll in dual credit classes that are  
available through the college and how our local high schools are participating to further this  
process.

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**New Best Practice:**

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**Upcoming Events:**

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# College Semester Report Date: Summer 2008

College Name: ITI Technical College, Baton Rouge, LA

Person Reporting: Jack Baggett

## Student Information:

<u>Number Enrolled</u>	<u>96</u>	<u>Number of Interns/Coops</u>	<u>7</u>
<u>Expected Graduates</u>	<u>7</u>	<u>Number on Scholarships</u>	<u>0</u>

## Student Organization Activities:

Local ISA chapter that PTEC students can get involved with.

Comments: (Let us know about your student internships, student scholarships, special programs, etc.)

Presently have 6 internships with Entergy at the River Bend Nuclear plant in

St. Francisville, LA

Presently have 1 internship at Westlake Chemical in Geismar, LA

## High School PTEch Programs:

<u>Number of Students</u>	<u>0</u>	<u>Number of High Schools</u>	<u>1</u>
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Comments:

Dutchtown High School in Ascension Parish, LA has a PTEC elective course

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**New Equipment:**

(Special units, plants, etc. (if donated, by whom))

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Received a Delta V control system donated by John H. Carter (Emerson)

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**Advisory Committee Meetings:**

**Recent Past Date    May 20, 2008**  
**August 19, 2008**

**New Scheduled Date**

Hot Topics:

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Internships

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How to get high schools interested in PTEC

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GCPTA endorsement

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**New Best Practice:**

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**Upcoming Events:**

GCPTA endorsement

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**College Semester Report    Date: June 30, 2008**  
**Summer            2008**

College Name: River Parishes Campus LTC

**Person Reporting: Glenn Sellars (Dept Head)**

**Student Information:**

**Number Enrolled    213 @ present                    Number of Interns/Coops 17 @**  
**present**

(40 -50 for the year)

Expected Graduates    50 (2008)

Number on Scholarships    8 @ present

**Student Organization Activities:**

SGA had a Spring Fest in late April – Crawfish Boil & Games.

**Comments: (Let us know about your student internships, student scholarships, special programs, etc.)**

The Internship program is picking up, lot's of plants beginning to come on board. Some  
of our Industry partners are taking Interns for Fall, Summer, & Spring (really a good  
thing for our students).

**High School PTech Programs:**

Number of Students Spring was 37

Number of High Schools

4

**Comments:**

I recently met with St John Parish School Superintendent and discussed getting more Schools involved. She is very supportive of that, so we should see even more students soon.

**New Equipment:**

(Special units, plants, etc. (if donated, by whom))

Trying to convince my superiors to provide monies for new computers for our computer Labs. Also that they would help us purchase some new visual training aids. Still trying to get our Yokogawa System connected to the Glass Labs & do away with Wondeware DCS.

**Advisory Committee Meetings:**

**Recent Past Date**    **May 21, 2008**  
**July 16, 2008**

**New Scheduled Date**

**Hot Topics:**

NAIT Accreditation

**New Best Practice:**

**Upcoming Events:**

Fall Registration and N.A.I.T. preparation.

# College Semester Report Date: Summer 2008

College Name: Nunez Community College

Person Reporting: Michele Minor, PTEC Assistant

## Student Information:

Number Enrolled 110

Number of Interns/Coops 2

Expected Graduates 11

Number on Scholarships 4

## Student Organization Activities:

We have no specific student organization.

## Comments: (Let us know about your student internships, student scholarships, special programs, etc.)

Internships are difficult to place in the summer due to time constrictions. We do,

however, have two students in internships.

Scholarship funds were dispersed to four eligible students.

Tulane Engineering students have open access to our lab for hands-on experience

conjunction with the RC/EEP grant in which we participate.

## High School PTEch Programs:

Number of Students 0

Number of High Schools 0

## Comments:

High school students do not attend for summer semester in PTEC.

**New Equipment:**

(Special units, plants, etc. (if donated, by whom))

No new equipment was received in the summer. An order, however, was placed for

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a distillation process trainer, a combustion technology simulator, a shell and tube heat

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exchanger, and a modular chemical reactor with 10 different modules.

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**Advisory Committee Meetings:**

**Recent Past Date 3/18/08**

**New Scheduled Date**

**7/2/08**

**Hot Topics:**

Hot topics at the March meeting were mainly involving the distribution of scholarships and

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Internship possibilities for the spring and summer semesters. For the upcoming meeting, the hot

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topic is sure to be the replacement of our Program Manager.

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**New Best Practice:**

**Upcoming Events:**

Workforce Development Conference to highlight the PTEC Program at Nunez. This is in July

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And runs for three days at the New Orleans Convention center. Also, there is an upcoming

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Career Fair in the fall semester restricted to only Nunez PTEC students and Industrial Partners.

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# College Semester Report Date: Summer 2008

College Name: University of Houston – College of Technology

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**Person Reporting: Jack Christiansen**

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**Opportunity:**

Workforce development program enabling high potential employees with an AAS degree to earn a 4 year BS degree focused on supervisory/managerial skills.

**Status:**

Program is currently being offered on Main Campus, some courses can be taken thru distance learning.

**Next Steps:**

- GCPTA industry members must show support for program
- Form advisory group made up of GCPTA industry members to
  - Ensure course contents meets industry and academic needs – if not work on program needs
  - Determine number of potential students
  - Help secure appropriate funding to put remainder of course material into a distance learning format (College of Technology applied for Department of Labor Grant earlier this year to help with this effort – no award response to date)
- Execute articulation agreements with appropriate GCPTA Endorsed Colleges
  - Technology Leadership and Supervision Major requires 123 semester hours
  - 48 semester hours maximum can be articulated which are comprised of
    - 15 semester hours of core course content
    - 33 semester hours of professional studies (Petroleum Technology courses may qualify)
- If your company is interested in pursuing this effort please contact Jack Christiansen at [jhchristiansen@uh.edu](mailto:jhchristiansen@uh.edu)

**Current Program:**

Petroleum Technology Initiative started Fall 2007. To date the following courses are electives within the Mechanical Engineering Technology 4 year BS degree: Fundamentals of Petroleum Geology, Valve Design, Principles of Mechantronics, Fundamentals of Drilling, Fundamentals of Offshore Systems, Fundamentals of Pipeline Design, Camp Red (Collaborative course with Halliburton, and Spring 2009 we plan to offer Fundamentals of Process Technology (dealing with surface production facilities).

The following software is being used with these courses: Landmark (drilling course), ABAQUS (Pipeline design), OrcaFlex (Offshore Systems), DNV, HYSYS (Process Technology), and we have some basic drilling mud lab equipment.

**Other Future Plans:**

Besides the effort with GCPTA, we are working with industry to determine if the following are warranted:

- Expanding the currently offered electives into a minor track and/or a BS program in Petroleum Technology
- Deciding if an undergraduate program in Digital Energy would meet future industry demands and if so deciding upon the critical competencies required for the curriculum

**College Semester Report Date: Summer**  
**No Classes during Summer**

College Name: Wharton Junior College

**Person Reporting: Wayne Stephens**

**Student Information:**

**Number Enrolled** \_\_\_\_\_

**Number of Interns/Coops** \_\_\_\_\_

**Expected Graduates** \_\_\_\_\_

**Number on Scholarships** \_\_\_\_\_

**Student Organization Activities:**

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**Comments: (Let us know about your student internships, student scholarships, special programs, etc.)**

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**High School P/Tech Programs:**

**Number of Students** \_\_\_\_\_

**Number of High Schools** \_\_\_\_\_

**Comments:**

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**New Equipment:**

(Special units, plants, etc. (if donated, by whom))

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**Advisory Committee Meetings:**

**Recent Past Date**

**New Scheduled Date**

Hot Topics:

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**New Best Practice:**

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**Upcoming Events:**

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