



# College Advisory Reports

July 27, 2007 Meeting

Spring 2007 Report

1. **Alvin Community College – Mark Demark** reported the following:
  - **Student Information:**
    - 85 students enrolled
    - 15 expected graduates
    - 6 students in Interns/Coops
    - 17 students on scholarship
  - **Student Organization Activities:**

Tour a local plant in July 2007

**Comments:**
    - Student internships with INEOS (3), BP Refining (1), and MCIR (2)
  - **High School PTEC™ Programs:**

**Number of students:** none  
**Number of High Schools:** none

**Comments:**
    - None
  - **New Equipment:**
    - Working with BP and INEOS
  - **Advisory Committee Meetings:**
    - Recent past date met June 13, 2007
    - Next scheduled date to meet September 12, 2007**Hot Topics:**
    - Student/Operator work shadowing
    - Completed 2<sup>nd</sup> GCPTA Audit
  - **New Best Practice:**
    - May 22, 2007 2<sup>nd</sup> annual Process Technology Spring High School Forum
    - June 20, 2007 2<sup>nd</sup> annual Process Technology Summer Community Open House
  - **Upcoming Events:**

2<sup>nd</sup> annual Process Technology Fall High School Forum
2. **Baton Rouge Community College – Dr. Sharon Flanagan** reported the following:
  - **Student Information:**
    - 149 students enrolled
    - 15 expected graduates summer; 44 during May
    - 7 students in Intern/Coops
    - 0 students on scholarships
  - **Student Organization Activities:**
    - None during the summer!**Comments:**
    - During the academic year internships were held at Down Chemical, Formosa Plastics, ExxonMobil, Shell chemical, SEPCO, Motiva, Westlake, Hexion, BP E & P, BP Castrol, Citgo, BASF, Georgia Gulf
  - **High School PTEC™ Programs:**

**Number of students:** 0  
**Number of High Schools:** 0

**Comments:**
    - BRCC will be teaching two high school PTEC™ courses in the fall
  - **New Equipment:**

None

- **Advisory Committee Meetings:**
  - Recent past date met July 26, 2007
  - Scheduled to meet August 23, 2007
- **Hot Topics:**
  - Pushing forward the building of a PET Unit for the college
- **New Best Practice:**
  - Having a Carl Perkins Advisor work with our students on job interviewing skills
- **Upcoming Events:**
  - PTEC™ Open House for Parents and Students – October
  - Pizza With the Dean – September
  - Weekend for PTEC™ Women - February

3. **Del Mar College Denise Rector-** reported the following:

- **Student Information:**
  - 70 students enrolled
  - 6 expected graduates
  - 2 students in Interns/Coops
  - 5 students on scholarship
- **Student Organization Activities:**
  - None
- **Comments:**
  - Flint Hills Resources has developed a Labor Pool in which our certificate students work in the refinery while taking classes at Del Mar College. After one year, they become fulltime FHR employees with opportunities to progress into operations positions. They work in maintenance positions and also study equipment and operations procedures. We have been fortunate with scholarships for our students provided by Flint Hills Resources, Valero, and Citgo.
- **High School PTEC™ Programs:**
  - Number of students: 0**
  - Number of High Schools: 0**
  - Comments:**
    - Beginning in the fall semester, we are offering Process Technology classes as Dual Credit courses for our local high school juniors and seniors.
- **New Equipment:**
  - None
- **Advisory Committee Meetings:**
  - Recent past date met
  - Scheduled to meet date Fall 2007
- **Hot Topics:**
  - Discussion on increased participation of industry for members on the Advisory Committee and future changes in the program's facilities.
- **New Best Practice:**
  - none
- **Upcoming Events:**
  - Awaiting news on a proposal submitted to one of our local facilities involving Process Technology/Instrumentation combination to help supply industry's technical needs.

4. **Kilgore College – Jerome Edinger** reported the following:

- **Student Information:**
  - 21 students enrolled
  - No expected graduates 1<sup>st</sup> will be in Spring 2008
  - 4 students in Interns/Coops
  - 13 students on scholarship

- **Student Organization Activities:**
  - No present student organization
- **Comments:**
  - None
- **High School PTEC™ Programs:**
  - Number of students:** N/A
  - Number of High Schools:** none
- **Comment:** none
- **New Equipment:**
  - Enbridge Inc donated a trailer mounted gas processing unit
- **Advisory Committee Meetings:**
  - Recent past date met: April 13, 2007
  - Next Scheduled Date to meet: August 3, 2007
- **New Best Practice:**
  - None
- **Hot Topics:**
  - Open house plans were discussed to include company booths, hands-on presentations, tours, etc. Plans were made for door prizes, food, demonstrations, job information, and other freebies.
- **Upcoming Events:**
  - Longview High School dual credit process technology offerings.

5. **Lamar Institute of Technology – Walter Tucker and Pat O'Connor** reported the following:

- **Student Information:**
  - 370 students enrolled
  - 70 expected graduates (fiscal Yr. 07)
  - 13 students in Interns/Coops
  - 30 students on scholarship
- **Student Organization Activities:**
  - No present student organization
- **Comments:**
  - Starting in the fall 2007 we will be doing a dual enrollment with high school students at Taylor Career Center in our Introduction to Process Technology course (PTAC 1302). We will offer a section in the morning and afternoon.
- **High School PTEC™ Programs:**
  - Number of students:** 4
  - Number of High Schools:** 1
- **Comments:**
  - None
- **New Equipment:**
  - We will be purchasing a new DAC 603 Advanced Process Trainer in September 2007.
  - We purchased a new DTU=2 tabletop unit in December 2006.
  - The donation of a larger distillation training unit is pending from Valero.
- **Advisory Committee Meetings:**
  - Recent Past Date met: May 3, 2007
  - Next Scheduled Date to meet: August 2, 2007
- **Hot Topics:**
  - None
- **New Best Practice:**
  - Dual enrollment of high school students in our PTAC program.
- **Upcoming Events:**
  - None

**6. Louisiana Technical College-Ascension Campus – Paul J. Waggenspack** reported the following:

- **Student Information:**
  - 34 students enrolled summer session
  - 2 expected graduates summer session
  - 4 students in Interns/Coops
  - 2 students on scholarship
- **Student Organization Activities:**  
None
- **Comments:**
  - 2 students are interning with Marathon Oil Reserve, La. 1 has been hired.
  - 2 students intern with Shell E & P. One offshore Ursa Platform. One onshore internship in south Texas.
  - 3 students offered fall internship Shell E & P. Total fall internships 7 to 10.
  - Offered Oil and Gas PTEC 2200 during summer session. Class was well received. Field trip to Shell Robert for Offshore instructions.
- **High School PTEC™ Programs:**
  - Number of students:** 10 – 20 projection
  - Number of High Schools:** 1
  - Comments:**
    - Number of high school students not exact at this time. All go to Dutchtown High School for instruction in Ascension Parish. It is the focal school for PTEC™
- **New Equipment:**
  - Glass labs complete, Computers interface components have arrived. Testengeer will have to load programs before they can become operational. PSSR planning in progress.
  - Shell Gesimar donated cut-aways of level indicating equipment (sightglass, valves, gaskets)
- **Advisory Committee Meetings:**
  - Recent Past Date met: July 10, 2007
  - Next Scheduled to meet: September 11, 2007
- **Hot Topics:**
  - Numerous contacts with local industry. Not enough PTEC's™ to go around.
- **New Best Practice:**
  - none
- **Upcoming Events:**
  - Fall registration
  - Marathon internships (7) to begin September 4, 2007

**7. Louisiana Technical College-River Parishes – Glenn Sellars** reported the following:

- **Student Information:**
  - 301 students enrolled
  - 30 - 40 expected graduates
  - 35 students in Interns/Coops
  - 27 students on scholarship
- **Student Organization Activities:**
  - Not much going on in the Summer.
- **Comments:**
  - We have over 35 Interns in 6 different Companies at the moment. We are looking for more Industry Partners to get onboard with the Intern Program.

- **High School PTEC™ Programs:**  
**Number of students:** 30+  
**Number of high schools:** 4  
**Comments:**
  - We will be working with more schools in St. John Parish in the days ahead. It's our plans to do more recruiting this Fall.
- **Advisory Committee Meetings:**
  - Recent past date met: June 27, 2007
  - Next scheduled date to meet: August 15, 2007
- **New Equipment:**
  - Yokogawa DCS system to be connected along w/our Emerson System. New Cooling Tower (this past spring). New Honeywell controls for the Meoh Unit Hot Oil Furnace w/DCS capabilities.
  - Some of these upgrades were funded by a student surcharge from our Specialized Training Program to Industry. Others were provided by grants.
- **Hot Topics:**
  - Loosing Potential Graduates to Industry. They're not returning to the program to complete it. We are looking for ways to change this. The need for more Class Room Space & Teaching Aids.
- **New Best Practice:**
  - Specialized Training of new Control Room Operators for Industry. Using the Glass Labs & Meoh Unit for troubleshooting scenarios to test their abilities to correct process upsets, etc. Marathon is doing this at the moment, it's going real well.
- **Upcoming Events:**
  - Fall Registration & the beginning of the Fall Semester

**8. McNeese State University – Dorothy Ortego** reported the following:

- **Student Information:**
  - 45 students enrolled
  - 0 expected graduates
  - 5 students in Interns/Coops
  - 0 students on scholarship
- **Student Organization Activities:**
  - Students helped to host the E-week events held for local schools – over 500 students from area schools visited the campus. Our students presented demos on some of the equipment and helped to run the CO<sub>2</sub> car competition.
- Comments:**
  - Citgo donated money for PTEC™ scholarships; McNeese and Sowela submitted a joint RC/EEP Grant to the Board of Regents that was awarded. It will generate \$90,000 for Equipment for our process technology program.
  - McNeese hosted a STeP Institute in June and had 14 girls attend. At the end of the camp eight girls were seriously considering enrolling in PTEC™.
- **High School PTEC™ Programs:**  
**Number of students:** 0  
**Number of High Schools:** 0  
**Comments:**
  - None
- **New Equipment:**
  - New equipment that was purchased through grant opportunities: Advanced Process Trainer, Pump Cavitation Demonstrator, Chemical Injection Trainer, Flange and Gasket Trainer, a Lubrication Training Unit, and Cutaways of Sliding Vane Air Pump, Diaphragm Valve, and Multi-Port Plate Exchanger.
  - FEMA funds have enabled us to repair all the damaged valves, our tabletop distillation unit, the Working Acrylic Cooling Tower, and replace several valves that “walked away” after Hurricane Rita.

- **Advisory Committee Meetings:**
  - Recent past date met: July 11, 2007
  - Next scheduled date to meet: August 8, 2007
- **Hot Topics:**
  - Success of STeP Institute, School equipment wish list, Problems with glass labs PLC's, Faculty Workshop, GCPTA memberships.
- **New Best Practice:**
  - Louisiana PTEC™ Instructors are getting together to share their best classroom activities and ideas; along with the activities they have tried but that went over with a flop.
- **Upcoming Events:**
  - Entergy brought our old steam generator and turbine to their Nelson road facility and repaired/replaced the entire unit. We should receive the "new" unit in August, just in time for the start of the semester. Repairs FIMALLY began on our building in June... we are hoping to return to having classrooms and labs that we can use again sometime in the next six months, maybe in time for the two year anniversary of Hurricane Rita.

9. **San Jacinto Community College Central - Mike Speegle-** reported the following:

- **Student Information:**
  - 285 students enrolled
  - 40 expected graduates
  - 4 students in Interns/Coops
  - 15 students on scholarship
- **Student Organization Activities:**
  - None
- **Comments:**
  - 8 students received \$500 scholarships from Lubrizol; 4 female students received special \$1000 scholarships from Lubrizol; 3 students received continuing scholarships from Shell.
  - The department hosted another Shell sponsored female process technology seminar on June 6<sup>th</sup>. Twenty six females attended. Five stated they will sign up for the program in the Fall. Shell has agreed to fund another Process technology Female Summer Seminar for June of 2008 and a second seminar for a general population in June, also.
- **High School PTEC™ Programs:**
  - Number of students:** none
  - Number of High Schools:** none
- **Comments:**
  - Steve Horton has come to an agreement with Pasadena and Deer Park high schools on dual credit courses with the college. Will start in Spring of 2008.
- **New Equipment:**
  - BP donated \$50,000 for the purchase of a modular reactor system manufactured by Hampden Engineering. Installation and training will begin this summer.
  - Shell donated \$38,000 for the purchase of new software for our simulator lab and to increase our Simtronic's license to a count of 20.
  - Work on our 10-gallon batch reactor continues. We have two PD reactors feed pumps donated that we are preparing to install.
- **Advisory Committee Meetings:**
  - Recent past date met: February 8, 2007
  - Next Scheduled date to meet: April 11, 2007
- **Hot Topics:**
  - Review of syllabi
  - Dual credit courses between high school and college
  - Course substitutions
  - Texas Skill standard Board
- **New Best Practice:**
  - None

- **Upcoming events:**

- None

10. **Nunez Community College – Keith Tolleson** reported the following:

- **Student Information:**

- 93 students enrolled (Summer)
- 5 expected graduates (Summer)
- 6 students in Interns/Coops
- TBA students on scholarship

- **Student Organization Activities:**

- We conducted a PTEC™ summit in April with approximately 200 attendees sponsored by GCPTA/CAPT/NSF.

- **Comments:**

- We awarded approximately \$11,000 in scholarships during last semester. We are currently taking applications for the Fall semester.
- We had 9 intern/coop students in the Spring. We have 6 intern/coops in the summer semester. We anticipate approximately 9 for the fall semester.

- **High School PTEC™ Programs:**

- Number of students:** 20

- Number of High Schools:** 2

- **Comments:**

- 8 students at Chalmette High School completed in May.
- 10 students at O. Perry Walker High School completed in May.
- We taught Introduction to PTEC™ at O. Perry Walker and Safety at Chalmette HS.
- We are anticipating classes at both schools for the upcoming semester.

- **New Equipment:**

- Heat Transfer Demonstrator
- Steam Boiler Trainer
- Process Variable Trainer (Fema replacement for equipment lost during Katrina)
- Fluid Measurement Trainer
- Quality Control laboratory equipment (Chalmette Refinery donation)

- **Advisory Committee Meetings:**

- Recent past date met: May 23, 2007
- Next scheduled date to meet: August 2007

- **Hot Topics:**

- Internships
- Scholarships
- Shell-Motiva joined our advisory committee

- **New Best Practice:**

- Conducted PTEC™ summit in April
- Participated in NAIT audit; will receive accreditation in October
- Participated in State PTEC™ audit in May; will receive endorsement July 27, 2007
- Was awarded RC/EEP grant for \$1.5 million dollars to coop with Tulane and Xavier Universities with PTEC™
- Will complete BOT training for Murphy Oil in July.
- Attended NISOD conference in Austin Texas for teaching leadership.
- Participated in creating an exit exam for the Chemical Industry with CAPT
- Attended training at DAC and Hampden Engineering to discuss future projects
- Continuing to participate on the State PTEC™ educational committee

- **Upcoming Events:**

- Anticipate another BOT class for Murphy Oil in October
- CIBP in October

11. **Texas State Technical College-Marshall – Bobby Smith** reported the following:

- **Student Information:**
  - 15 students enrolled
  - 8 expected graduates
  - 4 students in Interns/Coops
  - 1 students on scholarship
- **Student Organization Activities:**
  - None
- **Comments:**
  - 3 students are doing internships at Eastman Chemical Company. We have one student doing an off shore internship with Shell.
- **High School PTEC™ Programs:**
  - Number of students:** 0
  - Number of high schools:** 0
- **Comments:**
  - None
- **New Equipment:**
  - We recently purchased the DUT-2 distillation trainer. We have ordered 2 simulations from Ingenious. They will be web based so students can practice the simulations offsite.
- **Advisory Committee Meetings:**
  - Recent past date met: May 17, 2007
  - Next scheduled date to meet: June 26, 2007
- **Hot Topics:**
  - Decrease in enrollment
  - Dual credit courses
- **New Best Practice:**
  - STeP camp – We had 51 students from 28 high schools attend in June.
- **Upcoming Events:**
  - None