

RAPT College Advisory Report

College Name Red Rocks Community College

Program Name: Industrial Science and Operations

Person Reporting: Chuck Beck, Program Coordinator (303) 914 6342

Student Information:

Number Enrolled: 29 in PRO/+5 declared Number of Interns/Coops: none yet

Expected Graduates : Spring 07=0 Fall07=5 Number on Scholarships: 7

Student Organization Activities:

2 Suncor Energy Scholarships, 6 Presidential Grant Awards

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

High School PTech Programs:

Number of Students: >230 Number of High Schools: 4 active HS

Comments:

Alameda, Jefferson, Golden and Brady Exploration High Schools have active process technology programs. Enrollment in the PTECH I program continued strong into the spring semester. We are anticipating about 6 students from Alameda to enroll in the RRCC program in the fall. The number of students from the other schools is not known at this time.

Curriculum Development:

A team of Process Technology teachers and RRCC instructors will be working to modify the Introduction to Process Technology curriculum to include additional "Science" content to meet state learning standards. It will be a "merging" of ACS, CAPT and HS Chemistry and Physics content. This is developing; so, more to come in future updates!

New Equipment:

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

No major purchases or donations since September 29 report.

Advisory Committee Meetings:

Recent Past Date: Sept 29, 2006

New Scheduled Date: Mar 07

Hot Topics: .

Student Recruitment.

High Schools We have continued our outreach to area high schools. During our visits with students we promote both the Community College alternative and the option of Process Technology. We have visited North High School in Denver, Thornton High School (Adams County), Brady Exploration (Jeffco), Brush High School, the Rifle CO career fair. We have hosted students from the PTECH program at McClain HS (Jeffco). Emil Sheron met with the Career and Tech Ed counselors from Denver Public Schools. We will be attending 4 career fairs at various Denver HS in Feb and Mar. We will be attending the GESET program (sponsored by the Society of Women Engineers, Xcel Energy and others) at the Colorado Convention Center

in April.

Adult Community A single point of contact has been established at the Jeffco Workforce Center. This has been a help in assisting new people interested in PTECH find financial assistance as well as in resolving problems for existing students. The Workforce Center contact made a presentation about the WIA program to the PRO100 class. We will be attending the upcoming job fairs sponsored by the Work Force Center.

Industrial Maintenance Program

Development of curriculum is a continuing process with Vibration I and Vibration II, development completed this past Fall (Jan 24 was the last Vib II class). Instrumentation-and-Controls I has started this past week. Course and curriculum submittals are in progress. The Industrial Maintenance Program will be in 2007-2008 RRCC catalog.

ISOD classroom and lab

This is a 5800 sq ft facility housed in an existing state-owned building. It includes two classrooms, office and team room space, an operations control room, open lab space and restrooms. It is located near the existing main RRCC Arvada campus building.

The new facility is currently scheduled for completion in late February. Plans are to relocate the ISOD to Arvada in May. Summer PTECH programs will be held in Arvada. Facility.

Instructor Recruitment from Industry

Industry support for the ISOD has been outstanding! Instructors have been recruited from Suncor, Xcel Energy and Coors. The instructors are doing a great job and the feedback from the students has been very positive. The students are excited about what they are learning.

The current industry-based instructors are:

- Joe Foremski, Operations Manger, Suncor Energy USA
 - Ed Gonzales, Director, Performance Monitoring , Xcel Energy
 - Jim Weller, Director, Asset Management, Xcel Energy
 - Catharine Carty, Director, Strategic Planning, Molson-Coors
 - Ken Richter, Manager, Quality Control, Molson-Coors;
 - Larry Weinstein, President/owner, Engineers West.
 - Emil Sheron, Process Trainer, TTS (Technical Training System, Inc)
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Internships and Focus Course Development:

Due to the very small initial class (3 currently) alternatives are being examined, such as mentorship combined with an internship experience.

New Best Practice:

Suncor Incumbent Program.

Binary distillation short or mini-course (4-5 hrs) for incumbent process operators from Suncor. The Distillation Training Unit (DTU) has proven very effective in helping the incumbent operator understand the basics of This has been very well received by the attendees.

Molson-Coors Apprentice Program

Molson-Coors (MC) has an establish apprenticeship program for people with the talent and inclination to enter into the maintenance organization from operations. RRCC and MC are working on courses and certificate programs to best fit both the needs of apprentices and the balance of area industries.

Suncor New Hire Training

The current new hire class will be using the ISOD lab and classroom facilities for two training days in March. TTS is providing the training and RRCC is providing access to the DTU and Pump Trainer system.

Upcoming Events:

Career Fair for Process Technology on March 7, 2006.

Industrial Lubrication, Cause Mapping and Vibration I classes.

Process Technology Promotional Trailer

STEP summer program

Teacher Workshop for PTECH I and II

List of Industries Partners:

Suncor Energy USA

Denver Metro Water Reclamation

Coors Brewing Company

Marathon

Xcel Energy

Jacobs Engineering

Kinder-Morgan

Facilities West (CH2M-Hill)

Nestle-Purina

BP

Shell

List of High Schools:

Alameda HS, (Lane Warner)

Jefferson HS (Steve Shultz)

Golden HS (Kim Giffen)

Brady Exploration (John Livingston)

Standley Lake HS (Chris DeMink)

Advisory Group Concerns / Comments:

Topics For The Next RAPT Meeting:

Preparation of Students for industry aptitude tests;

Regional marketing and promotion opportunities;

Red Rocks Community College
Process Technology Program Advisory Committee

Meeting Agenda
September 29, 2006
8:00A – 10:00A

Welcome, Introductions, and Safety Minute

1. Program Updates and Actions
 - a. Fall Process Tech (PT) program
 - b. Spring 07 PT program
 - c. PT Classrooms and Labs Update
 - d. Industrial Maintenance Program Update
 - e. Summer Activities Report

2. Recruitment Activities and Action
 - a. Students
 - Trailer Status
 - Career Fair for Students and Industry (target date: Thursday, November 2nd)
 - School Announcements
 - Job Fairs
 - Work Force Board update
 - b. Instructors

3. Update on RAPT and API meeting.

4. Open Agenda and Action Item Summary

5. OPTIONAL: 10:00A – 11:00A Process Tech Lab Tour and Demonstrations.