

UofA

Community College at Hope

your bridge to the future

Associate of Applied Science in Power Plant Technology



**UNIVERSITY OF ARKANSAS COMMUNITY
COLLEGE AT HOPE**

Goals



- ❑ complement and enhance UACCH's current offerings,
- ❑ provide training consistent with skills needed in multiple industry settings in Southwest Arkansas,
- ❑ prepare area workforce to fill the 110 power plant technician positions needed to operate the Turk Power Plant,
- ❑ ultimately become a regional training center in power generation technology for Arkansas, Louisiana, and Texas.

Start-Up



INITIAL PROGRAM COSTS FROM INTEREST

**HIRED SCHOLARSHIP MANAGER
OUTFITTED 2 OFFICES**

**SWEPKO PROVIDED ADDITIONAL INSTRUCTIONAL SUPPORT
1 FULL TIME INSTRUCTOR**

&

**5 PART TIME INSTRUCTORS
FOR THE 2010 – 2011 SCHOOL YEAR**

**SWEPKO ALSO PROVIDED CURRICULUM IN THE FORM OF
PRIMEMEDIA WORKPLACE LEARNING WORKBOOKS, VIDEO
TAPES, AND INTERACTIVE CD ROMS**



A.A.S. Power Plant Technology

Options

Power Plant Operations

Electrical and
Instrument Tech

Welding

Machinist

- Incorporated **85** Credit Hours of Existing Coursework
- Created **47** Credit Hours of New Coursework – 13 Courses
- Agreed to accept **19 to 44** Credit Hours Possible Transfer from Texarkana College and Cossatot Community College
- Initial Degree plans required successful completion of 68 to 70 Credit Hours to graduate. Have reduced that amount down to 60 to 62 Credit Hours

Scholarship Support



**FULL TUITION, FEES, AND BOOKS FOR ALL QUALIFYING
STUDENTS THROUGH SPRING 2012**

CONTINUED FUNDING FOR STUDENTS

**\$160,000 PERMANENTLY ENDOWED FOR FUTURE
SCHOLARSHIPS**

CURRENTLY PROVIDE SCHOLARSHIPS

10 - \$1000 PER YEAR FOR NEW STUDENTS

10 - \$1000 PER YEAR FOR CONTINUING STUDENTS



Results

- **Graduates to date – 83**
 - 31 Electrical/Instrument Tech
 - 35 Operations
 - 7 Welding
 - 10 Machinist
- **Approximately 50 are employed at Turk and other SWEPCO Plants**
- **3 employed by Army Corp of Engineers at Blakely Dam (Ouachita) and DeGray Dam**



Results

- Several employed by Arkansas, Texas, and Oklahoma Electric Cooperatives
- At least 2 employed by Hope Water and Light
- Several employed at various manufacturing plants in the region that have some sort of steam or power generation
- Some used the Associates Degree to enter into 4 year degree programs or other ventures



Results

Wages

- Starting hourly pay at SWEPCO Plants
 - Operator - \$23/hr
 - Instrumentation - \$22/hr
 - Electrical - \$21/hr
 - Machinist - \$22/hr

Majority of the Graduating Class of 2011



Where are we now



**HAD DIFFICULTY LOCATING A QUALIFIED
INSTRUCTOR TO LEAD THE PROGRAM**

**FALL 2013 – HIRED JENNIFER BAILEY
SPRING 2011 PROGRAM GRADUATE**

**CURRENTLY EVALUATING CURRICULUM FOR
UPDATE REQUIREMENTS**

STUDENTS CURRENTLY ENROLLED – 14

- 3 Electrical/Instrument Tech
- 4 Operations
- 1 Welding
- 1 Machinist
- 5 Undeclared – just starting program

Where Do We Go From Here

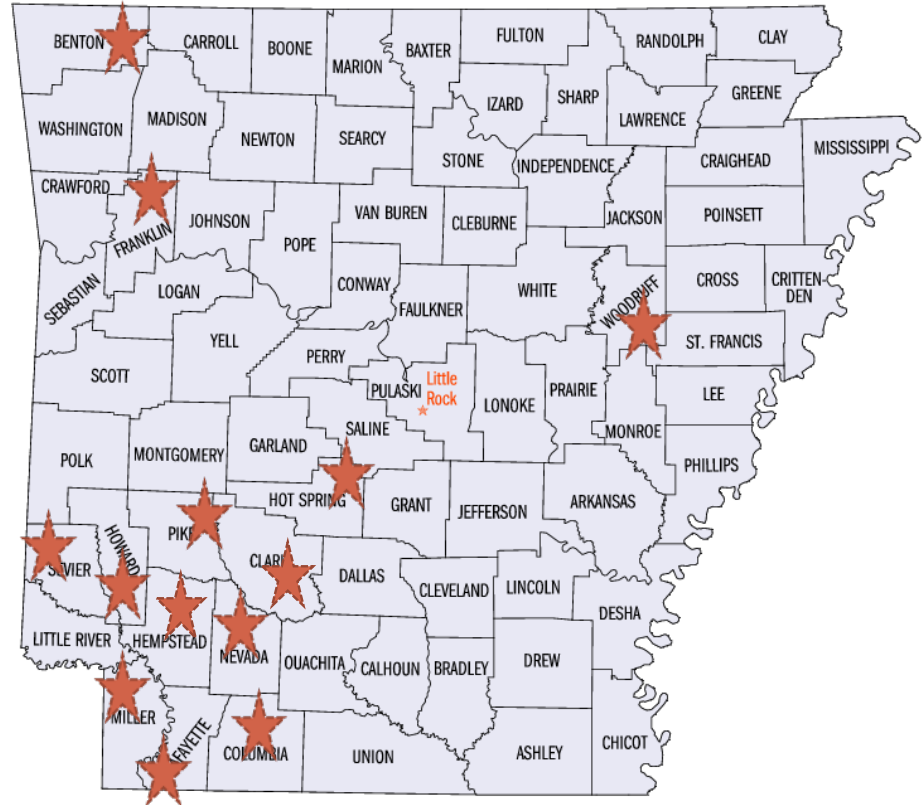


- **INVESTIGATING ONLINE AND TRADITIONAL CURRICULUM FROM GPI LEARN. A LEADING PROVIDER OF POWER GENERATION TRAINING**
- **ACTIVELY RECRUITING FROM AREA HIGH SCHOOLS**
- **DISCUSSING ADDITIONAL METHODS OF INCREASING ENROLLMENT**

On the Way to Regional Status



Graduates: ★
Hempstead: 33
Clark: 5
Nevada: 9
Lafayette: 3
Pike: 4
Columbia: 1
Howard: 9
Miller: 6
Woodruff: 1
Sevier: 2
Hot Spring: 1
Benton: 1
Franklin: 4



Plus 4 students from various counties in Texas



Regional Training Center in Power Generation Technology





Program Summary

The AAS in Power Plant Technology is designed for entry-level employment in the operation of facilities where steam and/or electricity is generated such as modern fossil fuel power plants, food processing plants, paper mills, tire and rubber product manufacturers, water treatment facilities, or others. Graduates master the theories and responsibilities of plant operations and the mechanical and chemical technologies needed for working in related industrial operations.



Program Summary

- 83 Graduates to date
- Approximately 80 used their diplomas to land high paying jobs or enhanced their positions in their current jobs
- Program is now in the capable hands of Jennifer Bailey and has every expectation of continued growth.
- Continue to utilize SWEPCO donation to provide assistance to students and will be able to do so for years to come.



Program Summary

- Currently investigating ways to allow regional access to students through distance education methods while updating look and feel of curriculum

Opportunity



A unit of American Electric Power



Thank You



ANY QUESTIONS?