

Piedmont Community College

Electrical Power Production Program Review

Executive Summary

The Executive Summary for the Electrical Power Production Program Review is submitted below. The report focuses on strengths, weaknesses, recommendations, and an action plan. Members of the committee were:

* Judy S. Bradsher	Dean, Technical and Occupational Programs (Chair)
* James McCormick	Instructor, Electrical Power Production
* David Wehrenberg	Instructor, Industrial System Technology
* Wayne Cohan	Instructor, Political Science/History
* Samantheo Marcellus	Advisor/ Career Counselor, Student Development
* Tina Bryant-Allen	Director, Research and Institutional Effectiveness (Ex Officio)

STRENGTHS

Strengths identified by the committee and external sources (advisory committees, most common employers of our students, employer's surveys, etc.) and students (surveys, class/instructor evaluations, focus groups, etc.):

- The program has acquired some excellent equipment. The equipment directly relates to the industry.
- Full time instructor have outstanding knowledge and experience and continues to be involved in the NCCCS "Green" Super Curriculum Improvement Project
- Full time instructor continuing to complete Bachelors Program of Study at East Carolina University
- Cooperative Work experience and internships continue to thrive with the involvement of the Power Careers programs supported by Progress Energy and UNC Chapel Hill.

WEAKNESSES

Weaknesses identified by the committee, external sources, and students:

- Even though the program has acquired some new equipment, additional equipment is needed with regards to student labs. To increase student learning additional lab equipment is needed so students do not have to wait for an available unit. Some examples would be during Electrical mechanical and PH analyzer student labs.
- Students desire to have more summer classes
- Marketing and advertising funding is limited

RECOMMENDATIONS

Recommendations to improve the program:

- Increase articulations with additional Colleges and Universities
- To obtain permission to become a NABCEP certification exam site
- Acquire new equipment: PLC stands, Electromechanical stands, and PH analyzer stands
- Increase equipment for Solar Wind Training Systems and Solar Thermal Systems
- Increase course instruction related to ARC Flash in the Industrial safety course
- Increase more practical experiences with water analysis

ACTION PLAN

The table below addresses the action plan.

Item	Plan	Responsibility	Timeline
Increase articulations with additional Colleges and Universities	The Dean and EPPT faculty will begin seeking out possible opportunities to initiate articulation agreements with colleges and universities that offer Electrical Power majors.	Dean and EPPT Faculty	Fall 2012
To obtain permission to become a NABCEP certification exam site	The EPPT faculty will complete NABCEP certification and submit application for PCC to be a certified exam site.	Dean and EPPT Faculty	Spring 2012
Acquire new equipment: PLC stands, Electromechanical stands, and PH analyzer stands	Dean and EPPT faculty will investigate funding sources to acquire new equipment.	Dean and EPPT Faculty	Fall 2012
Increase equipment for Solar Wind Training Systems and Solar Thermal Systems	Dean and EPPT faculty will investigate funding sources to acquire new equipment.	Dean and EPPT Faculty	Fall 2013
Increase course instruction related to ARC Flash	Faculty members instructing ISC 112 will incorporate additional instructional materials to address ARC Flash	Faculty instructing ISC 112	Fall 2011
Increase practical classroom activities related to water analysis	EPPT Faculty instructing WAT 120 will incorporate additional instructional activities to address water analysis	EPPT faculty	Fall 2011