



# University of Tennessee, Chattanooga Workforce Training for the Electric Power Sector

## Project Description

The University of Tennessee at Chattanooga (UTC) is developing a workforce fully trained in power technology by providing education and training to current and future workers across a variety of educational levels. For middle schools and high schools, UTC trains teachers about power technology to draw more future workers into the industry. Power-related electives permit undergraduate students to specialize in high-demand technologies. Engineers who have already earned university degrees benefit from additional training in modern power systems through a Master's program, short courses, and seminars. Additionally, certificate programs are being developed in cyber security, Smart Grid, clean energy and efficiency, and power engineering for current technicians and displaced workers. UTC will also develop programs for managers by integrating engineering management courses with power systems education.

## Goals/Objectives

- Educate middle and high school students on power technology and energy awareness
- Expand and improve existing skills for technicians
- Enhance the knowledge base of professional engineers by providing modern power system technology training
- Integrate engineering training with business training

## Benefits

- Engineers trained in high-tech power technology
- Technicians and displaced workers retrained to increase their skills, retain jobs, and increase pay rates
- An enhanced power management workforce created by integrating technology-centric curricula with business science
- Exposure of high school students to energy-related issues



## CONTACTS

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## PARTNERS

Tennessee Valley Authority  
Tennessee Valley Public Power Administration  
Electric Power Board  
Mississippi State University  
Chattanooga State Community College

## PROJECT DURATION

6/28/2010–6/28/2013

## COST

**Total Project Value**  
\$2,663,859

**DOE/Non-DOE Share**  
\$2,394,802/\$269,057

## PROJECT LOCATION

Tennessee

CID: OE0000413

*Managed by the National Energy Technology Laboratory for the Office of Electricity Delivery and Energy Reliability*

