

# A Fast Track to a New Career



## INDUSTRIAL ELECTRICAL TECHNOLOGY

### Students will learn:

- OSHA Safety Guidelines: Before beginning their hands-on technical training, students will undergo a two-week course to learn basic safety skills mandated by the Occupational Safety and Health Administration.
- An Introduction to Electricity: From how energy is changed to electricity to how electricity is measured and controlled, a basic understanding of the principles and characteristics of power is a must for an industrial electrical technician. This introductory lesson will help students to get used to working with electricity and will cover everything from power generation to AC/DC system components.
- Getting to Know the Tools of the Trade: In this hands-on program, students will learn how to use industry-standard tools and measuring devices.
- Motors and Energy-in-Motion: To prepare for careers in almost any industrial or manufacturing setting, students will learn motor operation and maintenance. To aid in repair, students will also learn to read and draw schematics, symbols and wiring diagrams.
- Motor Controls and Other Electronic Control Devices: Because the modern industrial electrical technician must be able to install, maintain and repair very sophisticated equipment, students will be introduced to the different types of relay and solid-state motor controls. Designing and troubleshooting these advanced control systems will give the student the knowledge and confidence to enter the work force with valuable skills.

With intensive, four-day-a-week classes at the ACC Pearland Center, students will gain the knowledge and skills needed to secure entry-level employment as industrial electrical technicians in almost any industrial or manufacturing setting.

This fast-tracked program allows for students to earn a certificate in industrial electrical technology within four to five months. Upon completion of the program, students will have the opportunity to receive career counseling and job referrals to local companies and private industries.

Before entering the ACC/TSTC industrial electrical technician program, students will be evaluated for mechanical skills and language proficiency. If needed, students will have the opportunity to take part in English as a second language (ESL) classes through the Adult Reading Center of Pearland to help prepare them for the program.

To learn more about the  
**Industrial Electrical Technician Program**

Visit <http://www.alvincollege.edu/fasttrack>  
call **281.412.9482** or **281.756.3787**

