

Building Trades Career Training Program

6-Month Day and
13-Month Evening Classes

Objective

The **Residential and Commercial Electricity** student will be able to design, install, troubleshoot, replace, upgrade, and maintain electrical equipment in residential and commercial electrical systems per requirements and guidelines mandated by the National Electrical Code. Students are instructed in the identification, care, and proper use of electrical tools and equipment. They learn mathematics for use in the electrical trade. They also study basic theory, electrical control systems, and single-phase and multi-phase electrical motors. Power supplies and power distribution for commercial establishments are taught.

Employment Opportunities

Graduates of this course are prepared for entry-level employment as electrical installers and troubleshooters, and as maintenance and electrical assistants in residential, commercial, and public establishments.

Career Outlook

According to the U.S. Department of Labor, employment of electricians should increase 12 percent between 2008 and 2018, about as fast as the average for all occupations.

Source: Bureau of Labor Statistics, "Occupational Outlook Handbook," 2010-11 Edition.

Industry Certification

Students in this program are eligible to receive industry recognized certification from the Residential Construction Academy (RCA) of the Home Builders Institute upon successful completion of certification exams.

Train Green at Orleans

Be prepared for the future by learning green skills, technologies, methods, energy-efficiencies and conservation at Orleans Tech. Our green training in Residential and Commercial Electricity includes: Copper recycling; switch control of lighting; energy conserving lighting control and energy saving lighting; electronic ballasts; timers; photo cell controls for energy efficient fixtures and compact fluorescent lights; variable speed motors; programming PC controls for energy efficiency; base load measurements. Introduction to the theory of solar panel installation and solar energy.

* Earn a trades diploma and college credits upon completion.



GET STARTED TODAY!
215.728.4700

Apply online at www.orleanstech.edu



2770 Red Lion Road
Philadelphia, PA 19114

WE OFFER:

- Hands-on training
- Modern shops and equipment
- Industry experienced instructors
- Job search assistance
- Financial aid available for those who qualify
- Convenient location, accessible by bus routes #1 & #14

Approved for Veterans Training
Accredited by the Accrediting Commission of Career Schools and Colleges (ACCSC); Licensed by the PA Dept of Education-State Board of Private Licensed Schools