



# TENNESSEE COLLEGE OF APPLIED TECHNOLOGY

PULASKI

1233 East College Street, Pulaski, TN 38478  
931-424-4014 [www.tcatpulaski.edu](http://www.tcatpulaski.edu)

## Career Training

Advanced Manufacturing  
Education  
Administrative Office  
Technology  
Building Construction  
Technology  
CNC Machining Technology  
Computer Operating Systems  
and Network Technology  
Electrical and Plumbing  
Construction Technology  
HVAC/R  
Industrial Electricity  
Industrial Maintenance  
Technology  
Patient Care Technology/  
Medical Assisting  
Pharmacy Technology  
Practical Nursing  
Residential/Commercial Wiring  
and Plumbing  
Welding Technology

## Campus Locations

Lawrenceburg Instructional  
Service Center  
North Lawrence Instructional  
Service Center  
Northfield Instructional  
Service Center  
South Lawrence Instructional  
Service Center

## INDUSTRIAL ELECTRICITY

The mission of the Industrial Electricity Technology Program is to prepare students to install and repair electrical systems, apparatus, and electrical and electronic components of industrial machinery and equipment. They follow electrical code, manuals, schematic diagrams, blueprints, and other specifications and will use hand tools, power tools, and electrical and electronic test equipment. Training in the Industrial Electricity Program includes theoretical characteristics of circuits, electrical equipment and application. Practical instruction is given in electrical safety, related math, basic electronics, robotics, motors, transformers, electrical code, and programmable logic controllers. An Electrician Apprentice I and II and an Industrial Electrician Diploma is available in this program.

### Employment Opportunities:

- Electrical Installations
- Manufacturing
- Industrial Maintenance

### Program Instructor:

Chris Adcock  
[chris.adcock@tcatpulaski.edu](mailto:chris.adcock@tcatpulaski.edu)  
931-424-2418

### ENROLLMENT INFORMATION

Classes Offered:	Full-Time: Monday - Friday 8 to 2:30 Part-Time: Mon - Fri 8 to 11 or 11:30 to 2:30
Program Length:	1,728 Hours (4 trimesters)
Program Location:	Pulaski Main Campus 1233 East College St., Pulaski, TN 38478
Program Cost including Tuition and Fees plus Books/Supplies:	\$1,312 per trimester x 4 trimesters=5,248 \$2,431.82 Books/Supplies; Total Cost \$7,679.82* *These costs are subject to change
Requirements:	Complete the Admissions Process Checklist
Financial Aid:	Available to those who qualify
For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website <a href="http://www.tcatpulaski.edu">www.tcatpulaski.edu</a> .	

Tennessee College of Applied Technology-Pulaski does not discriminate on the basis of race, color, religion, creed, ethnicity or national origin, sex, disability, age status as a protected veteran or any other class protected by Federal or State laws and regulations and by Tennessee Board of Regents policies with respect to employment, programs, and activities. The following person has been designated to handle inquiries regarding non-discrimination policies: Mike Whitehead, President; [mike.whitehead@tcatpulaski.edu](mailto:mike.whitehead@tcatpulaski.edu); 931-424-2420. The TCAT-Pulaski policy on non-discrimination can be found at [www.tcatpulaski.edu](http://www.tcatpulaski.edu).

## Industrial Electricity Course Outline

<b>First Trimester</b>	
Worker Characteristics	6 Hours
Orientation and Safety	20 Hours
Basic Principles and Meters/Technology Foundations	115 Hours
Basic Electronics	106 Hours
National Electrical Code I	85 Hours
Wiring	100 Hours
<b>Electrician Helper Certificate</b>	<b>432 Hours</b>
<b>Second Trimester</b>	
Worker Characteristics	6 Hours
National Electrical Code II	159 Hours
Motors and Transformers	140 Hours
Motor Control and Timers I	127 Hours
<b>Electrician Apprentice Class II Diploma</b>	<b>864 Hours</b>
<b>Third Trimester</b>	
Worker Characteristics	6 Hours
Motor Control and Timers II	187 Hours
Installation Guidelines I	239 Hours
<b>Electrician Apprentice Class I Diploma</b>	<b>1296 Hours</b>
<b>Fourth Trimester</b>	
Worker Characteristics	6 Hours
Installation Guidelines II	11 Hours
Timers and Drives	64 Hours
National Electrical Code (Commercial and Industrial)	60 Hours
Programmable Logic Controllers	100 Hours
Drawings and Documentation	25 Hours
Residential Wiring	166 Hours
<b>Industrial Electrician Diploma</b>	<b>1728 Hours</b>

For More Information Please Contact  
 Student Services Department  
 P.O. Box 614, Pulaski, TN 38478  
 931-424-4014

Accredited Member  
 Commission of the Council on Occupational Education  
 7840 Roswell Road, Building 300 Suite 325  
 Atlanta, GA 30350  
 Phone: (770) 396-3898 \* (800) 917-2081