



**TENNESSEE  
COLLEGE OF APPLIED TECH  
PULASKI**

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

**Career Training**

- Administrative Office Technology
- Automation, Process & Production Systems
- Basic Dental Assisting
- Building Construction Technology
- CNC Machining Technology
- Computer Operating Systems Networking, & Cybersecurity
- Criminal Justice: Correctional Officer
- Electrical and Plumbing Construction Technology
- Heating, Ventilation, Air Conditioning and Refrigeration
- Industrial Electricity
- Industrial Maintenance Technology
- Patient Care Technology/ Medical Assisting
- Pharmacy Technology
- Practical Nursing
- Residential/Commercial Wiring & Plumbing
- Welding Technology

**Training Locations**

- Main Campus (Pulaski, TN)
- Lawrence County Instructional Service Center
- Lawrenceburg Instructional Service Center
- North Lawrence Instructional Service Center
- South Lawrence Instructional Service Center

**INDUSTRIAL ELECTRICITY**

The mission of the Industrial Electricity 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:	\$1,440 per trimester x 4 trimesters=5,760.00 \$1452.00 Books/Supplies; Total Cost \$7,212.00* *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, ethnic 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 nondiscrimination policies: Christa Williams, VP Student Services; [christa.williams@tcatpulaski.edu](mailto:christa.williams@tcatpulaski.edu); 931-424-2404; P.O. Box 614; Pulaski, TN 38478.

## Industrial Electricity Course Outline

<b>First Trimester</b>	<b>Hours</b>
Worker Characteristic	6
Technology Foundations	30
Orientation and Safety	20
Basic Principles and Meters	100
Basic Electronics	91
National Electrical Code I	85
Wiring	75
Drawings and Documentation	25
<b>Electrician Helper Certificate</b>	<b>432 Hours</b>

<b>Second Trimester</b>	<b>Hours</b>
Worker Characteristic	6
National Electrical Code II	159
Motors and Transformers	140
Motor Control and Timers I	127
<b>Electrician Apprentice Class II Diploma</b>	<b>864 Hours</b>

<b>Third Trimester</b>	<b>Hours</b>
Worker Characteristic	6
Motor Control and Timers II	187
Installation Guidelines I	239
<b>Electrician Apprentice Class I Diploma</b>	<b>1296 Hours</b>

<b>Fourth Trimester</b>	<b>Hours</b>
Worker Characteristic	6
Timers and Drivers	64
Programmable Logic Controllers	362
<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