



TENNESSEE COLLEGE OF APPLIED TECHNOLOGY

PULASKI

1233 East College Street, Pulaski, TN 38478
931-424-4014 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
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 \$2,123 Books/Supplies; Total Cost \$7,371* *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 www.tcatpulaski.edu.

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; 931-424-2420. The TCAT-Pulaski policy on non-discrimination can be found at www.tcatpulaski.edu.

Industrial Electricity Course Outline

First Trimester	
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
Electrician Helper Certificate	432 Hours

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

Third Trimester	
Worker Characteristics	6 Hours
Motor Control and Timers II	187 Hours
Installation Guidelines I	239 Hours
Electrician Apprentice Class I Diploma	1296 Hours

Fourth Trimester	
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
Industrial Electrician Diploma	1728 Hours

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

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