TENNESSEE COLLEGE OF APPLIED TECHNOLOGY
PULASKI

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 Technician
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
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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:	$1,246 per trimester x 4 trimesters $2,123 Books/Supplies; Total Cost $7,107* *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.

AA/EEO

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**