



TENNESSEE COLLEGE OF APPLIED TECHNOLOGY

PULASKI

1233 East College Street, Pulaski, TN 38478
931-424-4014 www.tcatpulaski.edu

ELECTRICAL AND PLUMBING CONSTRUCTION TECHNOLOGY

Career Training
 Administrative Office
 Technology
 Advanced Manufacturing
 Education
 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

The mission of the Electrical and Plumbing Construction Technology program is to prepare students for a career as an electrician and/or plumber in the fast growing construction industry. Graduates of the Electrical and Plumbing Construction Technology program will possess a number of valuable skills such as electrical theory, residential/commercial print reading and wiring techniques, load calculations, conduit bending, National Electric Code, plumbing fixtures and installation, pipes and fittings, water distribution and drainage installations. Training includes both classroom (theory) and hands-on lab assignments designed to allow students to demonstrate the mastery of the core skills required for employment in the electrical and plumbing field.

Employment Opportunities:

- Residential Electrical Contractors
- Commercial Electrical Contractors
- Residential Plumber
- Commercial Plumber

Program Instructor:

Philip Richardson
philip.richardson@tcatpulaski.edu
 931-424-2415

ENROLLMENT INFORMATION

Classes Offered:	Full-Time: Monday-Friday 8-2:30 Part-Time: Monday-Friday 8-11 or 11:30-2:30
Program Length:	1296 Hours (3 trimesters)
Program Location:	Pulaski Main Campus 1233 East College Street Pulaski, TN 38478
Program Cost including Tuition, Fees plus Books/Supplies:	\$1,281 per trimester x 3 trimesters \$2,149 Book/Supplies; Total Cost \$5,992* *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

The Tennessee College of Applied Technology-Pulaski does not discriminate on the basis of race, color, national origin, sex, veteran status, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Mike Whitehead; mike.whitehead@tcatpulaski.edu or 931-424-2420.

EPCT Course Outline

First Trimester	
Worker Characteristics	6 Hours
Orientation, Safety, Alcohol Edu, & Haven Training	8 Hours
OSHA and Safety	22.5 Hours
Technology Foundations	24 Hours
Math Review	30 Hours
Tools (Safety & Instruction)	11.5 Hours
Electrical Theory (Basic AC Theory & Ohms Law)	75 Hours
The National Electrical Code (NEC 2011)	30 Hours
Residential Wiring Basics & Lab	165 Hours
Multi-Meters	60 Hours
OSHA 10 Certification	
Snap On Multimeter Certification	
Residential Wiring Helper Certificate	432 Hours

Second Trimester	
Worker Characteristics	6 Hours
Class Project Residential-Commercial	60 Hours
Advanced Residential-Commercial Wiring and Transformers	214 Hours
National Electrical Code-Advanced Codeology (NEC 2011) Load Calculations, Motors & App	115 Hours
Conduit-Bending	15 Hours
Bonding & Grounding	22 Hours
Residential and Commercial Wiring Helper Certificate	864 Hours

Third Trimester	
Worker Characteristics	6 Hours
Plumbing Safety	12 Hours
Plumbing Tools	6 Hours
Types of Pipe, Fitting, and Valves	60 Hours
Fixtures and Equipment Installation	98 Hours
Water Distribution Installation	98 Hours
Drainage, Waste, Vent Installation	98 Hours
Troubleshooting	54 Hours
Plumbing Helper Certificate	
Residential and Commercial Electrician and Plumbing Diploma	1296 Hours

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

Accredited Member
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