



# 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:	\$1,246 per trimester x 3 trimesters \$2,149 Book/Supplies; Total Cost \$5,887* *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](http://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](mailto:mike.whitehead@tcatpulaski.edu) or 931-424-2420.

# EPCT Course Outline

<b>First Trimester</b>	
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
<b>OSHA 10 Certification</b>	
<b>Snap On Multimeter Certification</b>	
<b>Residential Wiring Helper Certificate</b>	<b>432 Hours</b>

<b>Second Trimester</b>	
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
<b>Residential and Commercial Wiring Helper Certificate</b>	<b>864 Hours</b>

<b>Third Trimester</b>	
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
<b>Plumbing Helper Certificate</b>	
<b>Residential and Commercial Electrician and Plumbing Diploma</b>	<b>1296 Hours</b>

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

Accredited Member  
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