



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 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

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:	\$1,312 per trimester x 3 trimesters=3,936 \$2,149 Book/Supplies; Total Cost \$6,085* *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

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
 Commission of the Council on Occupational Education
 7840 Roswell Road, Building 300 Suite 325
 Atlanta, GA 30350
 Phone: (770) 396-3898 * (800) 917-2081