



TENNESSEE COLLEGE OF APPLIED TECH PULASKI

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

ELECTRICAL AND PLUMBING CONSTRUCTION TECHNOLOGY

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:	\$1,440 per trimester x 3 trimesters= 4,320 \$1,894.09 Book/Supplies; Total Cost 6,214.09* *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

Career Training

Administrative Office
Technology
Automation, Process &
Production Systems
Basic Dental Assisting
Building Construction
Technology
CNC Machining Technology
Computer Operating Systems,
Networking & Cybersecurity
Criminal Justice: Correctional
Officer
Electrical and Plumbing
Construction Technology
Heating, Ventilation, Air
Conditioning and
Refrigeration
Industrial Electricity
Industrial Maintenance
Technology
Patient Care Technology/
Medical Assisting
Pharmacy Technology
Practical Nursing
Residential/Commercial Wiring
& Plumbing
Welding Technology

Training Locations

Main Campus (Pulaski, TN)
Lawrence County Instructional
Service Center
Lawrenceburg Instructional
Service Center
North Lawrence Instructional
Service Center
South Lawrence Instructional
Service Center

Tennessee College of Applied Technology-Pulaski does not discriminate on the basis of race, color, religion, creed, ethnic 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 nondiscrimination policies: Christa Williams, VP Student Services; christa.williams@tcatpulaski.edu; 931-424-2404; P.O. Box 614; Pulaski, TN 38478;

EPCT Course Outline

First Trimester	
Worker Characteristic	6 Hours
Orientation/Safety/Alcohol Edu & Haven	8 Hours
OSHA and Safety	22.5 Hours
Technology Foundations	24 Hours
Math Review	30 Hours
Tools (Safety & Instruction)	6 Hours
Electrical Theory (Basic AC Theory & Ohms Law)	75 Hours
The National Electrical Code (NEC 2017)	162 Hours
Residential Wiring Basics & Lab	66 Hours
Multi-Meters	32.5 Hours
OSHA 10 Certification	
Snap On Multimeter Certification	
Residential Wiring Helper Certificate	
	432 Hours
Second Trimester	
Worker Characteristic	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 Characteristic	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
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