



# 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 \$1,896.00 Book/Supplies; Total Cost 6,216.00* *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)

### 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](mailto:christa.williams@tcatpulaski.edu); 931-424-2404; P.O. Box 614; Pulaski, TN 38478;

## EPCT Course Outline

<b>First Trimester</b>	<b>Hours</b>
Worker Characteristic	6
OSHA and Safety	12
Technology Foundations	24
Math Review	30
Tools (Safety & Instruction)	6
Electrical Theory	84
The National Electrical Code	162
Residential Wiring Basics & Lab	66
Multi-Meters	42
<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>	<b>Hours</b>
Worker Characteristic	6
Class Project Residential-Commercial	60
Advanced Residential-Commercial Wiring and Transformers	214
National Electrical Code-Advanced Codeology (NEC 2011) Load Calculations, Motors & App	115
Conduit-Bending	15
Bonding & Grounding	22
<b>Residential and Commercial Wiring Helper Certificate</b>	<b>864 Hours</b>

<b>Third Trimester</b>	<b>Hours</b>
Worker Characteristic	6
Plumbing Safety	12
Plumbing Tools	6
Types of Pipe, Fitting, and Valves	60
Fixtures and Equipment Installation	98
Water Distribution Installation	98
Drainage, Waste, Vent Installation	98
Troubleshooting	54
<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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