



# TENNESSEE COLLEGE OF APPLIED TECHNOLOGY

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## PULASKI

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1233 East College Street, Pulaski, TN 38478  
931-424-4014 [www.tcatpulaski.edu](http://www.tcatpulaski.edu)

### *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



## HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION

The mission of the Heating, Ventilation, Air Conditioning, and Refrigeration Program is to prepare students for a career as a HVAC/R technician. Students completing this course of study will become proficient in the application, diagnosis, and service of a wide range of HVAC/R products. This program is self-paced with classroom and shop instruction including theory, application, and service. Major blocks of instruction include electricity, refrigeration, air conditioning, heat pumps, heating and commercial systems. This program is an accredited member of the HVAC Excellence Program.

### Employment Opportunities:

- Commercial
- Residential
- Self-employment

### Program Instructor:

Chris Perkins  
[chris.perkins@tcatpulaski.edu](mailto:chris.perkins@tcatpulaski.edu)  
931-424-2413

### ENROLLMENT INFORMATION

Classes Offered:	Full-Time: Monday-Friday 8-2:30 Part-Time: Monday-Friday 8-11 or 11:30-2:30
Program Length:	1,728 Hours (4 trimesters)
Program Location:	Pulaski Main Campus 1233 East College Street, Pulaski, TN 38478
Program Cost including Tuition, Fees and Books/Supplies:	\$1,246 per trimester x 4 trimesters \$1475 Books/Supplies; Total Cost \$6,459* *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, <a href="http://www.tcatpulaski.edu">www.tcatpulaski.edu</a>	

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 931-424-2420 or [mike.whitehead@tcatpulaski.edu](mailto:mike.whitehead@tcatpulaski.edu).

# HVAC/R COURSE OUTLINE

<b>First Trimester</b>	
Worker Characteristics	6 Hours
Technology Foundations	30 Hours
OSHA	10 Hours
Shop Safety	24 Hours
Refrigeration Fundamentals	100 Hours
Tools Equipment and Shop Practices	30 Hours
Electricity and Controls I	130 Hours
Installation	76 Hours
Green Awareness	14 Hours
Employment Readiness Exam	12 Hours
<b>HVAC Mechanic Assistant Certificate</b>	<b>432 Hours</b>

<b>Second Trimester</b>	
Worker Characteristics	6 Hours
Introduction to System Service	134 Hours
Basic Automatic Controls	160 Hours
Motors	60 Hours
Domestic Appliances	30 Hours
EPA	30 Hours
Employment Readiness Exam	12 Hours
<b>Domestic Unit Repair Certificate</b>	<b>864 Hours</b>

<b>Third Trimester</b>	
Worker Characteristics	6 Hours
Gas Electric and Heat	180 Hours
Air Conditioning (Cooling)	72 Hours
Heat Pumps	108 Hours
Carbon Monoxide	36 Hours
All Weather Systems Exam	30 Hours
<b>Heating, Ventilation, and Air Conditioning Technician Diploma</b>	<b>1296 Hours</b>

<b>Fourth Trimester</b>	
Worker Characteristics	6 Hours
Electricity and Controls II	156 Hours
Commercial Refrigeration	252 Hours
Employment Readiness Exam	18 Hours
<b>Heating, Ventilation, Air Conditioning, and Refrigeration Technician Diploma</b>	<b>1728 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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