

MISSION STATEMENT

The Tennessee Colleges of Applied Technology serve as premier suppliers of workforce development throughout Tennessee. The colleges fulfill their mission by:

- Providing competency-based training through superior quality, traditional and distance learning instruction methods that qualify completers for employment and job advancement;
- Contributing to the economic and community development of the communities served by training and retraining employed workers;
- Ensuring that programs and services are economical and accessible to all residents of Tennessee; and
- Building relationships of trust with community, business, and industry leaders to supply highly skilled workers in areas of need.



A **Tennessee Board of Regents** institution
AA/ADA/EEO Training Institution

Accredited by **Council on Occupational Education**
7840 Roswell Road, Building 300, Suite 325
Atlanta, GA 30350 • 770-396-3898



CLASS SCHEDULES

Full-time classes are offered Monday through Friday between the hours of 7:45 a.m. and 2:30 p.m. Part-time class schedules may vary according to local needs.

This program is offered at Tennessee College of Applied Technology Livingston-Jackson County Instructional Service Center, 255 Blue Devil Lane, Gainesboro, TN 38562.

STUDENT COST

Cost can be found on our website:
www.tcatlivingston.edu/programs.

FINANCIAL AID

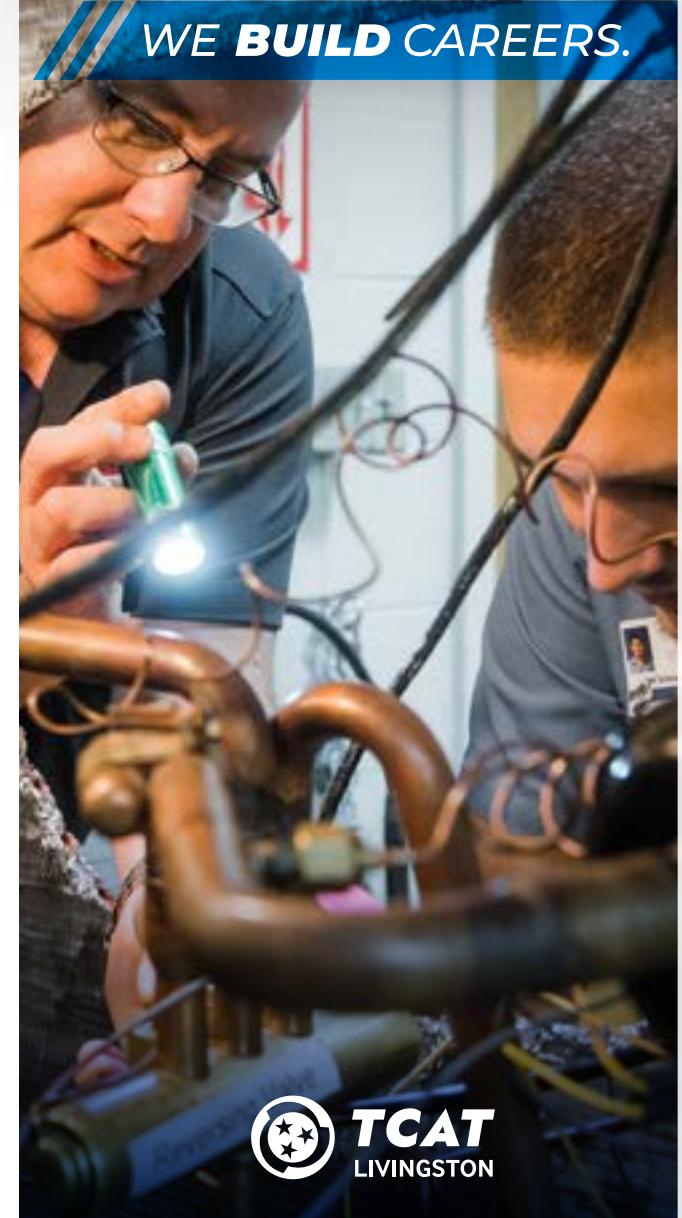
Financial aid is available to those students who are eligible. Students can be assessed for eligibility for Federal Pell Grants, Federal SEOG, TN Student Assistance Award, Wilder Naifeh Technical Skills Grant, TN Promise, TN Reconnect, and Federal Work Study. The school also coordinates efforts with the Department of Veteran's Affairs, Voc. Rehabilitation, WIOA, TRA and TOPS.

LOCAL HIGH SCHOOL ARTICULATION

The Tennessee College of Applied Technology Livingston has articulation agreements with local high schools in the school's service area. These agreements establish guidelines by which high school students may receive advanced placement in programs for skills acquired in high school. For more information on how to receive advanced placement, contact your high school guidance counselor or the Student Services Office at TCAT Livingston.

740 HI TECH DRIVE
LIVINGSTON, TN 38570
931-823-5525

WWW.TCATLIVINGSTON.EDU





PROGRAM DESCRIPTION

Learn to keep homes and businesses running efficiently with hands-on training in HVAC and refrigeration systems. This program prepares students to install, maintain and repair residential and light commercial systems, including air conditioners, heat pumps, furnaces, ductwork and refrigeration units. Students gain real-world experience brazing tubing, recovering refrigerants, troubleshooting electrical components and diagnosing system failures. Instruction also covers electric motors, controls, airflow systems and safety procedures.

OUTCOMES

Whether you're servicing a home air conditioner or diagnosing a walk-in cooler, you'll graduate with the technical skills and confidence to launch a career in the growing HVAC industry.

Graduates are prepared for technician roles and may also pursue certifications such as EPA Section 608.

CERTIFICATES & DIPLOMAS

Certificates

HVAC Mechanic Assistant	432 hours
Domestic Unit Repair	864 hours

Diplomas

Heating Ventilation & Air Conditioning Technician	1296 hours
HVAC & Refrigeration Technician	1728 hours



ADMISSION POLICY

A. Applicants Not Enrolled in High School

Applicants not enrolled in high school are eligible for admission provided that:

1. They are at least 18 years of age or have a high school diploma or equivalent.
2. They declare an occupational objective or demonstrate through testing or counseling reasonable potential for achieving that objective.

B. Applicants Enrolled in High School

Applicants enrolled in high school are eligible for admission provided that:

1. An agreement authorizing such admission concluding between the local Board of Education and the Tennessee College of Applied Technology. Such agreements are subject to the approval of the chancellor or his designee.
2. Admission of Foreign Non-Immigrants. Foreign non-immigrant applicants are eligible for admission if they meet the same conditions required for other applicants.

ADMISSION PROCEDURES

STEPS FOR ENROLLMENT



COURSES

First Trimester

Worker Characteristic

Technology Foundations

OSHA

Shop Safety

Fundamentals of HVAC/R & Green Awareness

Electricity & Controls I

Installation

Employment Readiness Exam

Fourth Trimester

Worker Characteristic

Electricity & Controls II

Commercial Refrigeration

Employment Readiness Exam

Electives

Worker Characteristic

Laundry - Gas Clothes Dryers

Laundry - Elec Clothes Dryer

Laundry - TopLoad WashingMchne

Laundry - FntLoad WashingMchne

Kitchen - Dishwashers

Kitchen - Microwaves

Kitchen - Gas Ranges

Kitchen - Electric Ranges

Kitchens - Refrig Freezers

Utility - Gas&Elec Wtr Heaters

Second Trimester

Worker Characteristic

Introduction to System Service

Basic Automatic Controls

Motors

Domestic Appliances

EPA

Employment Readiness Exam

Third Trimester

Worker Characteristic

Gas Electric & Heat

Air Conditioning (Cooling)

Heat Pumps

Carbon Monoxide

All Weather Systems Exam



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CLASS SCHEDULES

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This program is offered at the main campus.

STUDENT COST

Cost can be found on our website:
www.tcatuppercumberland.edu/programs.

FINANCIAL AID

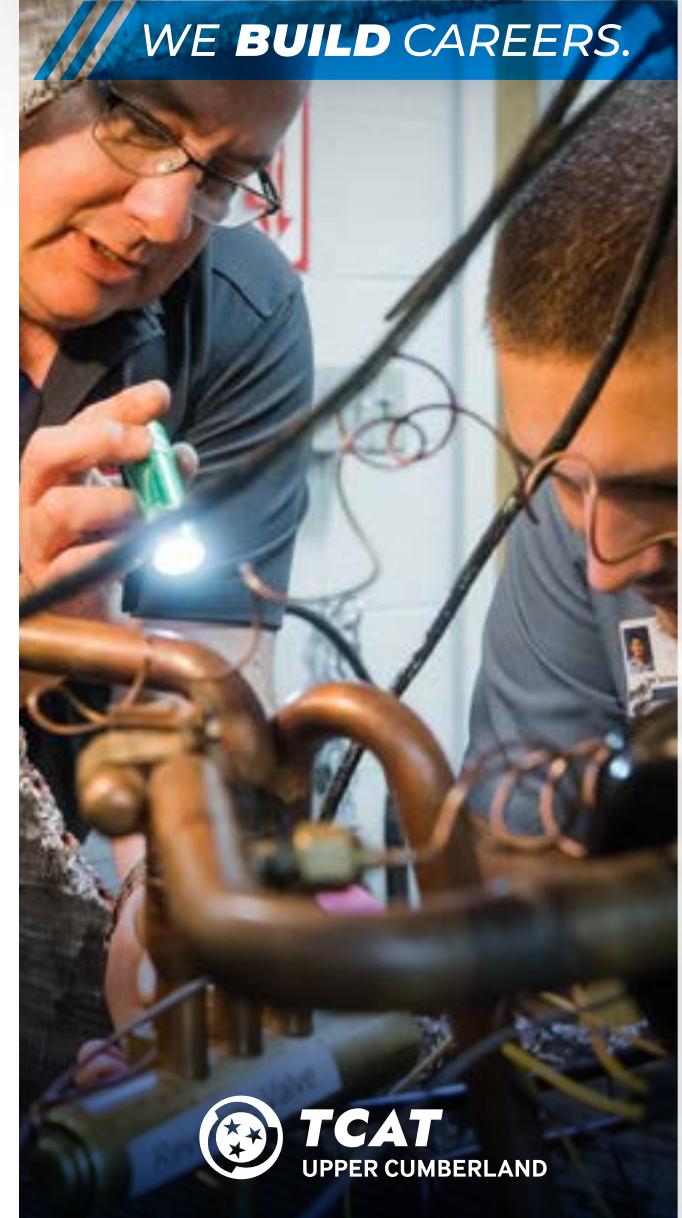
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LOCAL HIGH SCHOOL ARTICULATION

The Tennessee College of Applied Technology Upper Cumberland has articulation agreements with local high schools in the school's service area. These agreements establish guidelines by which high school students may receive advanced placement in programs for skills acquired in high school. For more information on how to receive advanced placement, contact your high school guidance counselor or the Student Services Office at TCAT Upper Cumberland.

910 MILLER AVE
CROSSVILLE, TN 38555
931-484-7502

TCATUPPERCUMBERLAND.EDU





PROGRAM DESCRIPTION

Learn to keep homes and businesses running efficiently with hands-on training in HVAC and refrigeration systems. This program prepares students to install, maintain and repair residential and light commercial systems, including air conditioners, heat pumps, furnaces, ductwork and refrigeration units. Students gain real-world experience brazing tubing, recovering refrigerants, troubleshooting electrical components and diagnosing system failures. Instruction also covers electric motors, controls, airflow systems and safety procedures.

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STEPS FOR ENROLLMENT



TCATUPPERCUMBERLAND.EDU

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Worker Characteristic

Technology Foundations

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Shop Safety

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