



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

TCAT Upper Cumberland is an equal access, equal opportunity organization. More: tbr.edu/nds. 2026/07/P28-26



CLASS SCHEDULES

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

This program is offered at the main campus, Livingston campus and the Bledsoe County campus.

STUDENT COST

Cost can be found on the website:
www.tcatuppercumberland.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

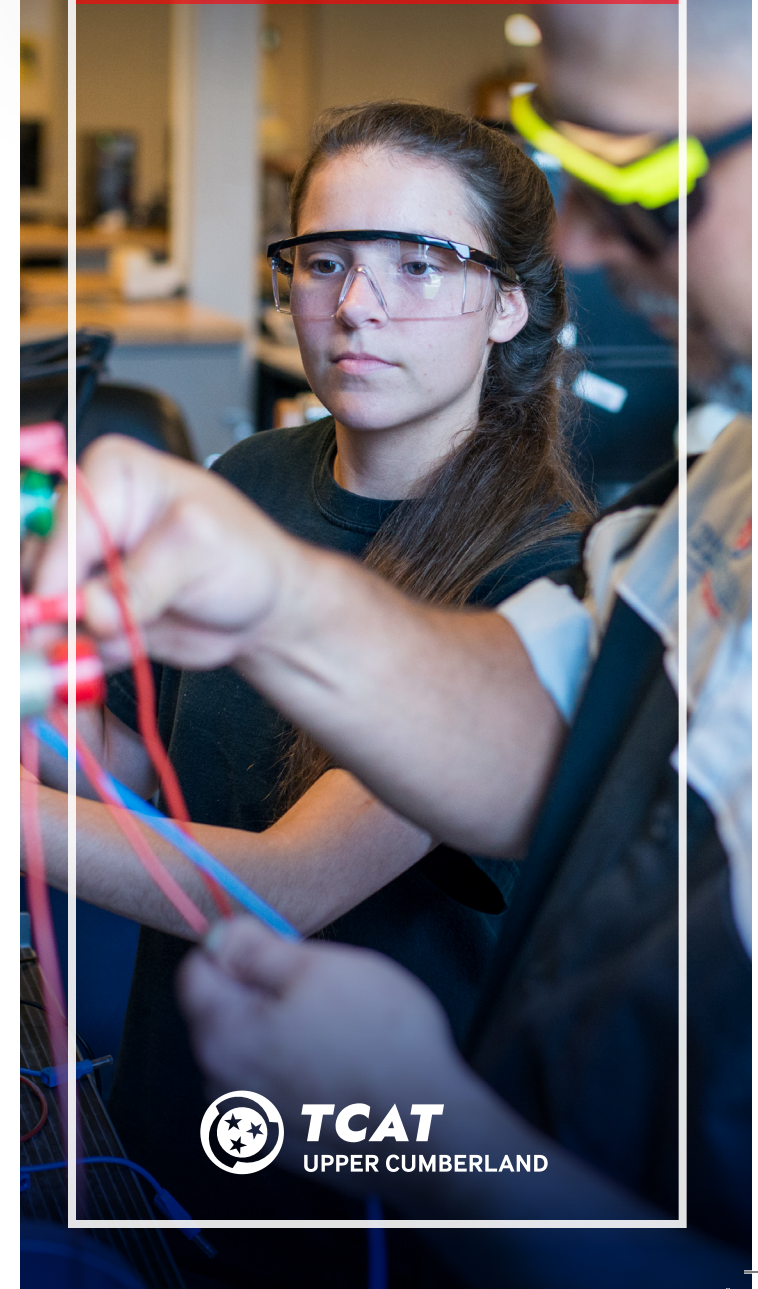
TCAT Upper Cumberland has articulation agreements with local high schools in the school's service area. These agreements establish guidelines by which high school students may receive advanced placement in programs for skills acquired in high school. For more information on how to receive advanced placement,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

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

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ELECTRICAL & PLUMBING TECHNOLOGY

WE BUILD CAREERS.



TCAT
UPPER CUMBERLAND



PROGRAM DESCRIPTION

Build the skills to power homes, businesses and communities. The Electrical and Plumbing Technology program prepares you for entry-level careers in the construction industry as an electrician, plumber or maintenance technician. Through hands-on training, you'll learn to install, maintain and troubleshoot electrical and plumbing systems while developing the technical knowledge, safety practices and problem-solving skills employers rely on.

You will learn how to:

- Install, maintain and repair residential and commercial electrical systems
- Install water supply, drainage and plumbing systems using industry-standard materials and techniques
- Read and interpret blueprints, construction drawings and technical specifications
- Apply the National Electrical Code and industry safety standards on the job
- Install wiring, electrical devices, fixtures and service equipment
- Perform load calculations, conduit bending and electrical system troubleshooting
- Assemble, test and repair plumbing fixtures, pipes and fittings
- Safely use hand tools, power tools and construction equipment
- Build the communication, professionalism and teamwork skills needed for success in the skilled trades



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

Construction Helper

Worker Characteristics
Safety
Construction Math & Measure
Career Skill
Plans Codes and Layout
NCCER Core Curriculum

Plumber Helper

Worker Characteristics
OSHA 10
NCCER Plumbing Level 1
NCCER Plumbing Level 2

Electrician Helper

Worker Characteristics
NCCER Electrician Level 1
NCCER Electrician Level 2

Plumber Apprentice

Worker Characteristics
NCCER Plumbing Level 3
NCCER Plumbing Level 4

Electrician Apprentice

Worker Characteristics
NCCER Electrician Level 3
NCCER Electrician Level 4

CERTIFICATES & DIPLOMAS

Certificates

Construction Helper	432 hours
Plumber Helper	864 hours
Electrician Helper	864 hours

Diplomas

Plumber Apprentice	1296 hours
Electrician Apprentice	1296 hours

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