



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. 2026/09/P65-26/1



CLASS SCHEDULES

Full-time day 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 the TCAT Upper Cumberland at Cookeville campus.

STUDENT COST

Cost can be found on our 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 may have an articulation agreement 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.

**TCAT UPPER CUMBERLAND AT COOKEVILLE
HIGHER EDUCATION CENTER
1000 NEAL ST.
COOKEVILLE, TN 38501**

931-520-4640

TCATUPPERCUMBERLAND.EDU

TELECOMMUNICATIONS

WE BUILD CAREERS.



TCAT
UPPER CUMBERLAND

WHAT YOU'LL LEARN

Build hands-on technical skills for a career connecting communication systems, networks and smart technologies. The Telecommunications program prepares you for entry-level work in communications and connected technology systems. Through real-world projects and hands-on training, you'll learn how to work with copper and fiber optic systems, telephony, cabling, computer hardware and networked electronic systems used in homes and businesses.

You will learn how to:

- Install and work with copper-based and fiber optic systems
- Build practical cabling and telephony skills
- Apply ladder safety and work-readiness practices in field environments
- Learn computer hardware and the basics of Windows, Mac and Linux systems
- Understand storage, networking, mobile devices and system management
- Build foundational troubleshooting skills for communications equipment
- Gain exposure to satellite fundamentals and smart technology systems
- Work with audio-video and security-surveillance systems
- Use test equipment to diagnose common telecommunications issues
- Prepare for industry-recognized certifications in cabling, telecom and related technologies

CERTIFICATES & DIPLOMAS

Certificates

Telecommunications Cable Installer	432 hours
Telecommunications Network	864 hours

Diplomas

Telecommunications Electronics Technician	1296 hours
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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



PICK A PROGRAM



FILL OUT ONLINE APPLICATION



SUBMIT PROGRAM SPECIFIC APPLICATION MATERIALS (IF REQUIRED)



REQUEST/SUBMIT TRANSCRIPTS



COMPLETE FAFSA



SET UP YOUR TCAT STUDENT EMAIL

COURSES

First Trimester

Worker Characteristics
Orientation
Safety and Work Readiness
Technology Foundations
Customer Service
Ladder Usage and Safety
Intro to Telecommunications
Copper Based Systems
Fiber Optic Based Systems

Second Trimester

Worker Characteristics
IT Infrastructure Fundamentals
IT Systems and Operations

Third Trimester

Wireless Technologies
Smart Technology Systems (STS) Basic
Audio-Video
Security-Surveillance
Telecom Electronics Technician Practical Application
Career Skills