

## 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 2:15 p.m. Part-time class schedules may vary according to local needs.

This program is offered at the main campus.

## STUDENT COST

Cost can be found on our website:  
[www.tcatuppercumberland.edu/programs](http://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

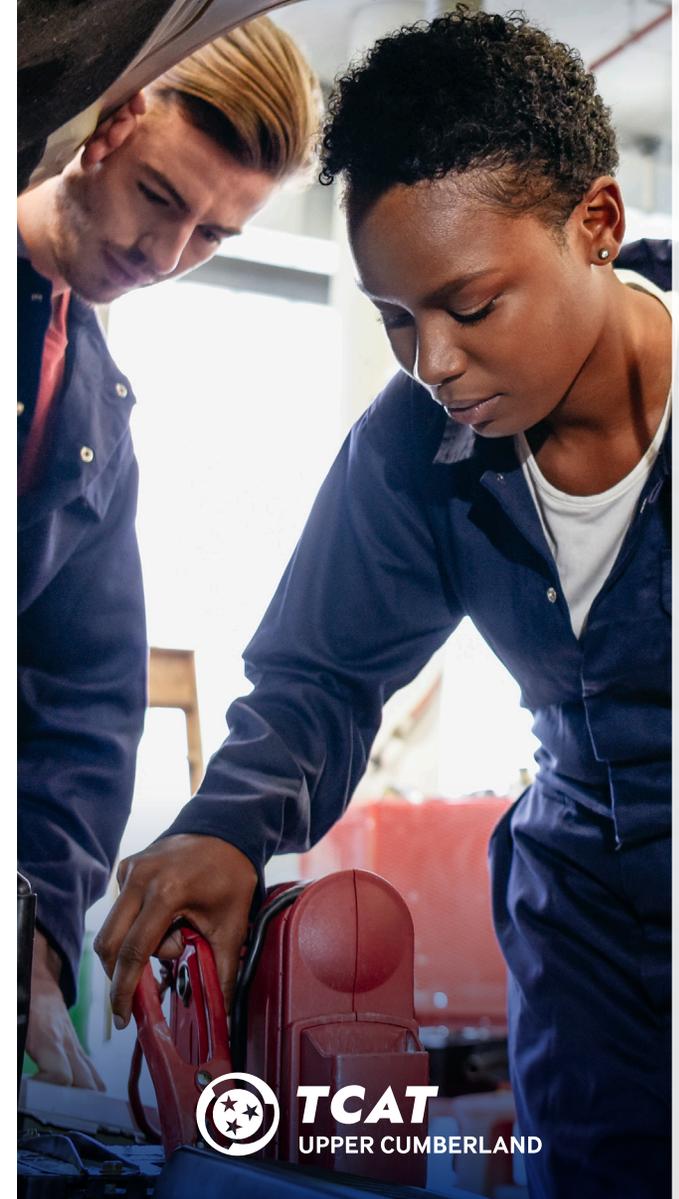
The Tennessee College of Applied Technology Upper Cumberland has articulation agreements with local high schools in the school's service area. These agreements establish guidelines by which high school students may receive advanced placement in programs for skills acquired in high school. For more information 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**

# AUTOMOTIVE TECHNOLOGY

**WE BUILD CAREERS.**



**TCAT**  
UPPER CUMBERLAND



## PROGRAM DESCRIPTION

Automotive Technology is an ASE certified Master Automotive Service Technician Program by the National Automotive Technicians Education Foundation. All instruction coincides with the nine instructional areas as recognized by the National Institute for Automotive Service Excellence.

Training in each area includes classroom instruction and practice on simulated vehicle systems before receiving hands-on experience diagnosing and repairing “live” vehicles. Upon completion of an instructional area, students will be able to perform procedures expected of an automotive technician employed in the Automotive Field. Once an instructional area is mastered, students advance to the next area until all areas are complete.

Certificate level exit points are provided for those students who attain enough knowledge and skill to gain employment before completing all eight areas. During training students prepare to take the ASE certification exams.

## OUTCOMES

- Train students for entry into the automotive repair field.
- Prepare students to take the ASE certification exams.
- Encourage professional and ethical behavior to ensure success in a wide range of endeavors.

*Based on industry requirements, students should hold a valid driver's license and maintain a good driving record.*



## 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



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 Characteristic  
 Brakes  
 Suspension & Steering  
 Technology Foundations  
 Automotive Safety & Orientation  
 Basic Electrical  
 Engine Repair I

### Second Trimester

Worker Characteristic  
 Engine Repair II  
 Heating & Air Conditioning  
 Electric & Electronic Systems I

### Third Trimester

Worker Characteristic  
 Electric & Electronic Systems II  
 Engine Performance I

### Fourth Trimester

Worker Characteristic  
 Engine Performance II  
 Manual Drive Trains & Axles  
 Auto Transmission & Transaxles

### Fifth Trimester

Hybrid & Electric Vehicles

## CERTIFICATES & DIPLOMAS

### Certificates

|                                  |            |
|----------------------------------|------------|
| Brake and Chassis Technician     | 432 hours  |
| Automotive Technician Apprentice | 864 hours  |
| Automotive Service Technician    | 1296 hours |

### Diplomas

|   |            |
|---|------------|
| Automotive Technician                         | 1512 hours |
| Automotive & Hybrid/<br>Electric Vehicle Tech | 1728 hours |