



TENNESSEE COLLEGE OF APPLIED TECHNOLOGY

NORTHWEST

1600 Hwy 51 South, Covington, Tennessee 38019, Phone (901) 475-2526
www.tcatcovington.edu

HYBRID ELECTRICAL VEHICLE

Location

Covington Campus

Class Schedule

Covington Campus
Monday – Friday
3:00 p.m. – 9:30 p.m.

Program Length

16 Months

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, Georgia 30350
(770) 396-3898
(800) 917-2081

The Tennessee College of Applied Technology Covington does not discriminate based on race, color, national origin, sex, disability, or age in its programs or activities. See: <https://tcatnewbern.edu/about/non-discrimination-statement> for full non-discrimination policy.

"Paid for in full or in part with funds provided by: The Strengthening Career and Technical Education in 21st Century Act (Perkins V)"

Hybrid Electrical Vehicle Course Outline

Award Titles	Hours	Awards
Automotive Electronics Technician	864	Certificate
Automotive Specialty Technician	1,296	Certificate
Alternative Fuel Vehicle Technician	1,728	Diploma

Curriculum

Worker Characteristics	Safety
Electrical Theory	Automotive Electronics
AC & DC Theory I	Maintenance & Troubleshooting
Battery Technology	Power Inverter Systems
Electric Motors & Generators	Brakes
Suspension & Steering	Internal Combustion Engines
Electric Hybrid Fundamentals	Hybrid Vehicle Control Systems
HEV Maintenance & Troubleshoot	

Program Costs

Tuition Per Term	\$ 1,336	Books	\$ 300
Tuition Per Year	\$ 4,008	Tools	\$ 3,020
Total Program Tuition	\$ 5,344		

*Estimated for 2021-22 academic year. Prices subject to change.

Admissions

- Complete an online application for enrollment at <https://tcatcovington.edu>. (Persons seeking admissions must be at least 18 years of age or be a high school graduate or GED/HiSet equivalent.)
- Complete FAFSA online at www.fafsa.gov (TCAT Covington school code 005280) (Students who do not wish to receive federal or state financial aid and wish to pay out of pocket are not required to fill out the FAFSA for admission.)
- Contact the school to check on the status of application.
- Register for Selective Service (if applicable).

MISSION STATEMENT

The Tennessee Colleges of Applied Technology serve as the premier suppliers of workforce development throughout the State of 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.