



## 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

The Tennessee College of Applied Technology Crossville does not discriminate on the basis of race, color, religion, creed, ethnicity or national origin, sex, disability, age, status as protected veteran or any other class protected by Federal of State laws and regulations and by Tennessee Board of Regents policies with respect to employment, programs and activities. 2023/07/12/79



## CLASS SCHEDULES

Full-time day classes are offered Monday through Friday between the hours of 7:45 a.m. and 2:15 p.m.

Full-time evening classes are offered Monday through Thursday between the hours of 1 and 9 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.tcatcrossville.edu/programs](http://www.tcatcrossville.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 Crossville 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 Crossville.

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

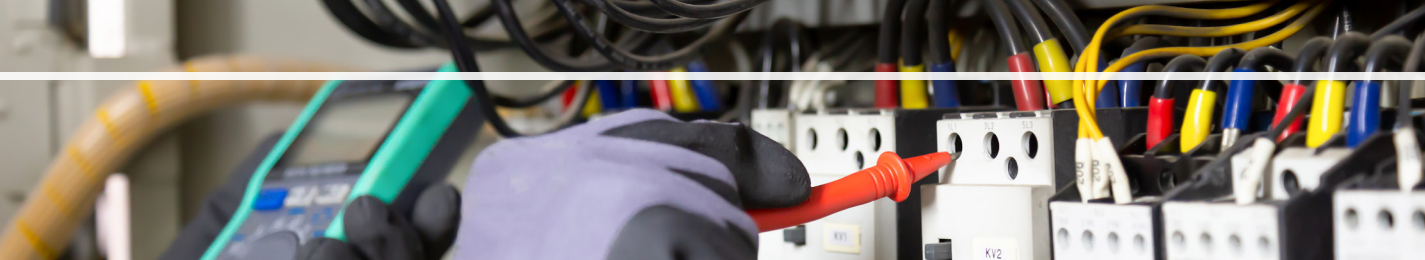
[WWW.TCATCROSSVILLE.EDU](http://WWW.TCATCROSSVILLE.EDU)

# INDUSTRIAL MAINTENANCE & ELECTRICAL SYSTEMS

**WE BUILD CAREERS**



TENNESSEE COLLEGE  
OF APPLIED TECHNOLOGY  
— CROSSVILLE



## PROGRAM DESCRIPTION

The Industrial Maintenance and Electricity program is designed to help meet the identified need for trained and skilled maintenance electricity technicians. Incorporating classroom instruction and shop learning experience utilizing actual equipment and/or related training devices, the IME program is designed in its entirety for the technology student who is preparing for a career in industry.

The IME program is five trimesters (432 hours each) in length with three core trimesters, after completing the core requirements students will select two of the four elective programs of study in which they will spend one trimester (432 hours) per elective.

## OUTCOMES

After acquiring the Industrial Maintenance Apprentice Certificate, Industrial Maintenance Apprentice II Certificate, Industrial Maintenance Diploma and successful completion of two electives, students will earn their Industrial Maintenance Technician Diploma.

## CERTIFICATES & DIPLOMAS

### Certificates

Industrial Maintenance Apprentice	432 hours
Industrial Maintenance Apprentice II	864 hours
PLC-Robotics	1728 hours
HVAC Mechanical Helper	1728 hours
Maintenance Machinist	1728 hours
Combination Arc Welder	1728 hours
PLC-Robotics	2160 hours
HVAC Mechanical Helper	2160 hours
IM Maintenance Machinist	2160 hours
Combination Arc Welder	2160 hours

### Diplomas

Electrical Maintenance	1296 hours
Industrial Maintenance Technician	2160 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



**1**  
PICK A PROGRAM



**2**  
FILL OUT ONLINE APPLICATION



**3**  
SUBMIT PROGRAM SPECIFIC APPLICATION MATERIALS (IF REQUIRED)



**4**  
REQUEST/SUBMIT TRANSCRIPTS



**5**  
COMPLETE FAFSA



**6**  
SET UP YOUR TCAT STUDENT EMAIL

## COURSES

### First Trimester

Worker Characteristic  
Safety and Orientation  
Technology Foundations  
Electrical Concepts AC/DC  
Print Reading for Electric Systems

### Second Trimester

Worker Characteristic  
Motor Control Fluid Power & Mechanical Systems

### Third Trimester

Worker Characteristic  
Installation Guide Commerce-Industry  
Motors/Transformers

### Fourth Trimester

Worker Characteristic  
PLC/Robotics  
HVAC/R  
Machine Tool  
Welding

### Fifth Trimester

Worker Characteristic  
PLC/Robotics  
HVAC/R  
Machine Tool  
Welding

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