

## 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 eighteen (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. Enrollment is limited to one (1) occupational area.

### C. 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)



SUBMIT PROOF OF VACCINATION



REQUEST/SUBMIT TRANSCRIPTS



COMPLETE FAFSA



## CLASS SCHEDULES

Full-time 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 Main Campus and the TCAT Livingston extension campus located in Cookeville.

TCAT — Livingston at Cookeville Higher Education Campus, 100 Neal Street, Cookeville TN, 38501

## STUDENT COST

Cost can be found on the website:  
[www.tcatlivingston.edu/programs](http://www.tcatlivingston.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 at Livingston 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 TCATL.

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LIVINGSTON, TN 38570  
931-823-5525

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

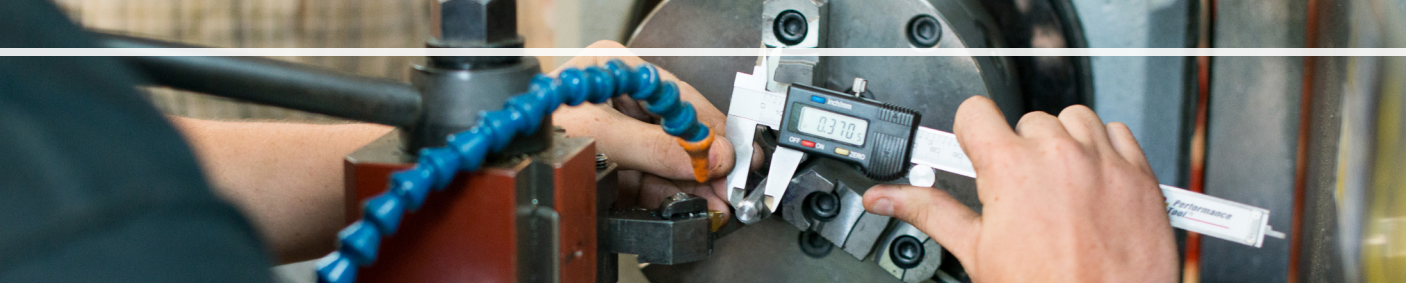
TCAT Livingston is an equal access, equal opportunity organization. More: [tbr.edu/nds](http://tbr.edu/nds). 2024/10/1800/8

# INDUSTRIAL MAINTENANCE

WE BUILD CAREERS.







## MISSION STATEMENT

The mission of the Industrial Maintenance program is to give training to students in all aspects of Industrial Maintenance that will meet industrial employers' needs.

## COURSE DESCRIPTION

The Industrial Maintenance program will educate and train students in all key areas in the field of Industrial Maintenance. The students in this program will acquire proficiencies in set up, programming, troubleshooting, and repair of industrial equipment. The program offers the student an E-Learn curriculum with a majority of hands on training that will evolve to keep pace with the rapid growth of technology in the field of Industrial Maintenance. This program has two certificate exit points, and three diploma exit points that the student can utilize depending on the path he or she would like to take in this field. Students will have the opportunities after completion of qualifying areas of the curriculum to take the Certified Production Technician exam, Siemens level 1 Certification exam, and NIMS level 1 Certification exam.



## OVERVIEW

The Industrial Maintenance student will acquire the ability to work in a number of capacities with the goal of keeping the majority of industrial machinery in operation. The student, in preparation for the field, moves through a variety of programs learning the basics of some and acquiring a deeper knowledge in others.

The general characteristics of the industrial maintenance mechanic are: good eye-hand coordination, good manual and finger dexterity, be able to read and understand written instructions, and be able to lift heavy weights occasionally. It is essential that the prospective student have a high degree of mechanical aptitude since a major portion of the program is dealing with very sophisticated and, in some cases, complicated equipment.

## JOB OPPORTUNITIES

Industrial Maintenance Mechanics work in almost every industry. They are employed by manufacturing industries, service industries, government agencies, educational institutions, real estate firms, and individuals who operate office and residential buildings. Industrial Maintenance Mechanics repair and maintain machines, mechanical equipment, and buildings; and work and plumbing, electrical, air conditioning, and heating systems. They inspect and diagnose problems and plan how work will be done, often checking blueprints, repair manuals, and parts catalogs. They also do routine preventive maintenance to correct defects before breakdowns occur. Industrial Maintenance Mechanics often do a variety of tasks in a single day, generally at a number of different locations.

*Demand: It is projected there will be an increase in this occupation through the year 2018.*

## COURSE OUTLINE

Approximately: 16 Months

### Machine Tool Technology

- Precision Measuring
- Metal Cutting Saws
- Lathes
- Tool Sharpening
- Milling Machines
- Grinders
- Basic Blueprint Reading

### Welding

- ARC S.M.A.W.
- MIG G.M.A.W.
- TIG G.T.A.W
- Cutting

### Mechatronics

- Introduction & Orientation
- Mechanical Maintenance
- Hydraulics & Pneumatics
- Industrial Electricity/Electronics
- PLC'S
- Motors & Motor Controls

## CERTIFICATES & DIPLOMAS

### Certificates

Preventative Maintenance	432 hours
Mechanical Maintenance	864 hours

### Diplomas

Industrial Maintenance Technician	1296 hours
Automation and Controls Technician	1728 hours