



Industrial Maintenance/Mechatronics

The Industrial Maintenance/Mechatronics program is designed to provide students with general skills in a variety of areas common to industry.

The mission of the Industrial Maintenance/Mechatronics program is to provide the most competency-based training for the students that will benefit and equip each and every individual to achieve his/her goals as they enter or re-enter the workforce. This can be done by: Seeing each and every student as an individual with their own unique skills, gifts, and abilities. Finding out what those skills and gifts are and shaping their abilities through the training to enhance the same. Carefully and closely matching jobs and students to find as close a connection as possible that will benefit the student, the employer, and the success of the program in the years to come. Building a strong relationship with community businesses that will have the utmost confidence in our students and in the program so that their first thoughts for filling available positions will be the IM program of TCAT Knoxville and the school as a whole.

Program	Location	Length	Days	Time
Day Program	TCAT Knoxville Main Campus	16 Months	Monday-Friday	8:00 am—2:30 pm
Day Program	TCAT Knoxville at Anderson County Campus	16 Months	Monday-Friday	8:00 am—2:30 pm
Night Program	TCAT Knoxville Main Campus	16 Months	Monday-Friday	3:30 pm—10:00 pm

Curriculum/Courses		Completion Award	Required Hours
IMM 0001	Worker Characteristic	Advanced Programmable Logic Controllers & Robotics LCs-Robotics	Certificate 432
IMM 1010	Tech Foundations		
IMM 1020	Orientation and Safety	Industrial Maintenance Helper	Certificate 864
IMM 1030	Mechanical Maintenance	Industrial Maintenance Technician	Diploma 1728
IMM 1040	Hydraulics	Typical Job Opportunities Industrial Maintenance Mechanical Maintenance Electrical Maintenance	
IMM 1050	Pneumatics		
IMM 0002	Worker Characteristic		
IMM 2010	Basic Electricity		
IMM 2020	Electric Motor Control	<div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>HOW TO APPLY</p> <p><i>All Documents Must be Presented Together to Apply</i></p> <p>1. FAFSA—Provide Proof of Completed FAFSA School Code = 004025 at https://fafsa.ed.gov/</p> <p>2. Complete TCAT Application for Enrollment (Form is Attached)</p> </div>	
IMM 2030	Intro to PLCS		
IMM 0004	Worker Characteristic		
IMM 3010	PLCS 2		
IMM 0004	Worker Characteristic		
IMM 4010	IM-2300 Intro to Robotics		
IMM 4020	IM-1800 Adv PLCS 2 & Robotics		



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Book, Tool, and Supply List

1st Trimester				
Tuition		Cost	Total	
Tuition*		\$1,169.00		
Technology Access Fee*		\$ 67.00		
Student Activity Fee*		\$ 10.00		
OSHA 10 Training		\$ 25.00		
TOTAL				\$1,271.00
Books				
	ISBN	Cost	Required	
Industrial Mechanics, 4th edition	9780826937124	\$ 147.00	x	
Industrial Mechanics workbook, 4th edition	9780826937131	\$ 40.00	x	
Electrical Motor Controls (w/CD), 5th Ed.	9780826912268	\$ 146.00	x	
Electrical Motor Controls for Integrated Systems WB	9780826912275	\$ 37.00	x	
Programmable Logic Controllers (ACT MAN)	9781259682476	\$ 98.00	x	
Programmable Logic Controllers (w/out Logixpro Lab & CD)	9780073373843	\$ 181.00	x	
TOTAL				\$649.00
Supplies				
	Needed By	Cost	Required	
Denim Jeans	First day of class	\$ 35.00	x	
3 Black Short Sleeve Work Shirts (collared, polo, or tshirt)	First day of class	\$ 30.00	x	
Black or Brown Belt	First day of class	\$ 20.00	x	
Steel Toe Work Boots	First day of class	\$ 140.00	x	
Safety Glasses	First day of class	\$ 10.00	x	
TOTAL				\$235.00
Tools				
	Needed By	Cost	Required	
Tool Box or Tool Pouch	Per Instructor		x	
Combination Insulated Screwdriver Set	Per Instructor		x	
Wire Strippers	Per Instructor		x	
Needle Nose Pliers	Per Instructor		x	
2 Hex Head Key Sets (1 standard and 1 metric)	Per Instructor		x	
6" Steel Ruler with Sliding Bar	Per Instructor		x	
Digital Multimeter Auto Ranging	Per Instructor		x	
Clamp-on Amp Meter	Per Instructor		x	
Electrical Crimping Pliers	Per Instructor		x	
TOTAL				\$495.00
2nd Trimester				
Tuition		Cost	Total	
Tuition*		\$1,169.00		
Technology Access Fee*		\$ 67.00		
Student Activity Fee*		\$ 10.00		
TOTAL				\$1,246.00

All Costs are Estimated and Subject to Change Without Notice Revised: 8/24/2017

*Denotes costs that can be covered by TN Promise and TN Reconnect

3rd Trimester			
Tuition	Cost		Total
Tuition*	\$1,169.00		
Technology Access Fee*	\$ 67.00		
Student Activity Fee*	\$ 10.00		
TOTAL			\$1,246.00

4th Trimester			
Tuition	Cost		Total
Tuition*	\$1,169.00		
Technology Access Fee*	\$ 67.00		
Student Activity Fee*	\$ 10.00		
TOTAL			\$1,246.00

Miscellaneous Cost	Cost	Required	
Graduation Supplies	\$ 40.00	x	
TOTAL			\$40.00
TOTAL PROGRAM COST			\$6,428.00

All Costs are Estimated and Subject to Change Without Notice Revised: 8/24/2017

*Denotes costs that can be covered by TN Promise and TN Reconnect



OFFICE USE ONLY

ADMISSIONS REQUIREMENTS

FAFSA I will not be filing financial aid. I will be paying for my education. Students Initials: _____

SPECIAL ADMISSIONS REQUIREMENTS

Cosmetology:

Photo Proof of Age Copy of SS Card RT/LT Handed Manicuring Only
 Educational Transcripts

Dental Assisting, Medical Assisting, and Surgical Technology

HESI scores: Math 70 and Reading 70 | Compass scores: Math 30 and Reading 70

HESI | ACT | Compass Scores: ____ Math ____ Reading ____ (Date: _____)
 CPR Documentation (BLS for Healthcare Providers)
 Educational Transcripts Immunizations

Medical Office Information Technology

Educational Transcripts

Practical Nursing:

HESI required scores: Math 70 and Reading 70 | Compass scores: Math 50 and Reading 80

Notarized Declaration of Citizenship Copy of ID Used to Declare Citizenship
 CPR Documentation (BLS for Healthcare Providers)
 Educational Transcripts Immunizations
 HESI | ACT | Compass Scores: ____ Math ____ Reading ____ (Date: _____)

Truck Driving:

MVR DOT Physical Valid Driver's License
 U.S. Citizenship / Residency

Staff Signature: _____

Date: _____