

Tennessee College of Applied Technology

Morristown Campus

2020-2021

Industrial Maintenance

The Industrial Maintenance Program is comprised of four trimesters of instruction: two required courses, Mechanical Maintenance and Industrial Electricity, and four elective courses that the student chooses. The order in which classes are taken will vary from student to student.

****All book and supply costs are estimates and subject to change without notice.****

Mechanical Maintenance - Required				432 Hours
Tuition			\$1,229.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Industrial Maintenance Text	9781269792073	Pearson	\$350.00	Approximate
Industrial Hydraulic Technology	9781557690562	Parker	\$55.00	Approximate
Industrial Pneumatic Technology	9781557690609	Parker	\$50.00	Approximate
Mechanical Maintenance Tool Kit			\$750.00	Approximate
TI-30x Calculator**			\$15.00	Approximate
Safety Glasses**			\$5.00	Approximate
Headphones			\$12.00	Approximate
Graduation Set***			\$45.00	Approximate
Mechanical Maintenance Term Total			\$2,594.00	
Industrial Electricity - Required				432 Hours
Tuition			\$1,229.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Basic Electrical Theory	9781932685398	Mike Holt	\$70.00	Approximate
Basic Motor Controls	9780986353406	Mike Holt	\$60.00	Approximate
Ugly's Electrical Reference	9781284119367	Jones & Bartlett	\$30.00	Approximate
Industrial Maintenance - Industrial Electricity Tool Kit and Multimeter			\$600.00	Approximate
Industrial Electricity Term Total			\$2,072.00	
Machine Shop - Elective				432 Hours
Tuition			\$1,229.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Precision Machining Technology	9781285444543	Cengage	\$135.00	Approximate
Basic Blueprint Reading	9781435483781	Cengage	\$120.00	Approximate
Practical Problems in Math for Machinists	9781133281450	Cengage	\$180.00	Approximate
Student's Shop Reference Handbook	9780831130794	Industrial Press	\$35.00	Approximate
Industrial Maintenance - Machine Shop Tool Kit #1			\$450.00	Approximate
Machine Shop Term Total			\$2,232.00	

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Welding - Elective				432 Hours
Tuition			\$1,229.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Welding Principles & Applications	9781305494695	Cengage	\$175.00	Approximate
Welding Jacket and Tools			\$400.00	Approximate
Welding Term Total			\$1,887.00	
HVAC-R - Elective				432 Hours
Tuition			\$1,229.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Refrigeration and A/C Text	9781305578296	Cengage	\$190.00	Approximate
608 Cert. Preparatory Manual	608 PM	Esco	\$10.00	Approximate
Industrial Maintenance - HVAC Tool Kit			\$500.00	Approximate
Handyman Gloves			\$35.00	Approximate
EPA Certification Test			\$50.00	Approximate
HVAC-R Term Total			\$2,097.00	
PLCS - ROBOTICS Elective				432 Hours
Tuition			\$1,229.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Programmable Logic Controllers	9780826913852	ATP	\$155.00	Approximate
Programmable Logic Controllers Lab Manual	SM-1235	Future Tek	\$75.00	Approximate
PLCS - ROBOTICS Total			\$1,542.00	
PIPEFITTING ELICTIVE				
Tuition			\$1,229.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
IPT Pipe Trades	9780920855188	IPT	\$40.00	Approximate
Core Curriculum	9780134130989		\$75.00	Approximate
Pipefitting Level 1	9780132273107		\$95.00	Approximate
Tool Kit			\$700.00	Approximate
Stanley PowerLock Tape Rule	S2933-115	Airgas	\$8.00	Approximate
Curve-O-Mark	K4514752	Airgas	\$25.00	Approximate
TI-30Xa Calculator			\$15.00	Approximate
Safety Glasses			\$5.00	Approximate
Ear Plugs			\$3.00	Approximate
Pipefitting Total			\$2,278.00	
Total Estimated Program Cost				\$14,702.00

** These supplies are required by multiple programs and may be purchased any trimester.

*** Graduation set will be purchased the last trimester the student is enrolled.

Updated: rev 7/7/2020