

Tennessee College of Applied Technology

Morristown Campus

2019-2020

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	\$50.00	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			\$2,589.00	

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	00098635334066	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			\$325.00	Approximate
Welding Term Total			\$1,812.00	
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 ELECTIVE				
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	\$35.00	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	\$20.00	Approximate
TI-30Xa Calculator			\$15.00	Approximate
Safety Glasses			\$5.00	Approximate
Ear Plugs			\$3.00	Approximate
Pipefitting Total			\$2,268.00	
Total Estimated Program Cost				\$14,612.00

** 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 6.24.19