

Tennessee College of Applied Technology

Morristown Campus

2016-2017

Industrial Maintenance

The Industrial Maintenance Program is comprised of four trimesters of instruction: two required courses, Mechanical Maintenance and Industrial Electricity, and five 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			\$1,139.00	Due at Registration
Technology Fee			\$67.00	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	\$45.00	Approximate
Mechanical Maintenance Tool Kit			\$750.00	Approximate
TI-30x Calculator**			\$15.00	Approximate
Safety Glasses**			\$5.00	Approximate
Headphones			\$9.00	Approximate
Graduation Set***			\$45.00	Approximate
Mechanical Maintenance Term Total			\$2,490.00	
Industrial Electricity - Required				432 Hours
Tuition			\$1,139.00	Due at Registration
Technology Fee			\$67.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Basic Electrical Theory	9781932685398	Mike Holt	\$65.00	Approximate
Basic Motor Controls	9780098635340	Mike Holt	\$60.00	Approximate
Ugly's Electrical Reference	9781449690779	Jones & Bartlett	\$25.00	Approximate
Industrial Maintenance - Industrial Electricity Tool Kit and Multimeter			\$850.00	Approximate
Industrial Electricity Term Total			\$2,216.00	
Machine Shop - Elective				432 Hours
Tuition			\$1,139.00	Due at Registration
Technology Fee			\$67.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Precision Machining Technology	9781285444543	Cengage	\$125.00	Approximate
Basic Blueprint Reading	9781435483781	Cengage	\$120.00	Approximate
Practical Problems in Math for Machinists	9781133281450	Cengage	\$220.00	Approximate
Student's Shop Reference Handbook	9780831130794	Industrial Press	\$35.00	Approximate
Industrial Maintenance - Machine Shop Tool Kit			\$955.00	Approximate
Machine Shop Term Total			\$2,671.00	

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Welding - Elective				432 Hours
Tuition			\$1,139.00	Due at Registration
Technology Fee			\$67.00	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			\$1,716.00	
HVAC-R - Elective				432 Hours
Tuition			\$1,139.00	Due at Registration
Technology Fee			\$67.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Refrigeration and A/C Text	9781305578296	Cengage	\$190.00	Approximate
Industrial Maintenance - HVAC Tool Kit			\$500.00	Approximate
Handyman Gloves			\$35.00	Approximate
HVAC-R Term Total			\$1,941.00	
Drafting - Elective				432 Hours
Tuition			\$1,139.00	Due at Registration
Technology Fee			\$67.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
AutoCAD 2016 Tutorial - 2D	9781585039593	SDC	\$55.00	Approximate
Technical Drawing Text	9780135090497	Pearson	\$160.00	Approximate
Parametric Modeling with Solidworks 2016	9781585039982	SDC	\$60.00	Approximate
Drafting Term Total			\$1,491.00	
Pipefitting - Elective				432 Hours
Tuition			\$1,139.00	Due at Registration
Technology Fee			\$67.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
IPT Pipe Trades	9780920855188	IPT	\$35.00	Approximate
Core Curriculum	9780134130989		\$70.00	Approximate
Pipefitting Level 1	9780132273107		\$95.00	Approximate
Tool Kit			\$500.00	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 Term Total			\$1,967.00	
Total Estimated Program Cost	This is the total of all programs combined.			\$14,492.00

** 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 5/25/2017