

# Tennessee College of Applied Technology

## Morristown Campus

2017-2018

### 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.\*\*

<b>Mechanical Maintenance - Required</b>				<b>432 Hours</b>
Tuition			\$1,169.00	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			\$12.00	Approximate
Graduation Set***			\$45.00	Approximate
<b>Mechanical Maintenance Term Total</b>			<b>\$2,523.00</b>	
<b>Industrial Electricity - Required</b>				<b>432 Hours</b>
Tuition			\$1,169.00	Due at Registration
Technology Fee			\$67.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Basic Electrical Theory	9781932685398	Mike Holt	\$70.00	Approximate
Basic Motor Controls	9780986353406	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
<b>Industrial Electricity Term Total</b>			<b>\$2,251.00</b>	
<b>Machine Shop - Elective</b>				<b>432 Hours</b>
Tuition			\$1,169.00	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	\$200.00	Approximate
Student's Shop Reference Handbook	9780831130794	Industrial Press	\$35.00	Approximate
Industrial Maintenance - Machine Shop Tool Kit #1			\$450.00	Approximate
<b>Machine Shop Term Total</b>			<b>\$2,176.00</b>	

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<b>Welding - Elective</b>				<b>432 Hours</b>
Tuition			\$1,169.00	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
<b>Welding Term Total</b>			<b>\$1,746.00</b>	
<b>HVAC-R - Elective</b>				<b>432 Hours</b>
Tuition			\$1,169.00	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
<b>HVAC-R Term Total</b>			<b>\$1,971.00</b>	
<b>Drafting - Elective</b>				<b>432 Hours</b>
Tuition			\$1,169.00	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	9780134306414	Pearson	\$135.00	Approximate
Parametric Modeling with Solidworks 2016	9781585039982	SDC	\$60.00	Approximate
<b>Drafting Term Total</b>			<b>\$1,496.00</b>	
<b>Pipefitting - Elective</b>				<b>432 Hours</b>
Tuition			\$1,169.00	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		\$75.00	Approximate
Pipefitting Level 1	9780132273107		\$95.00	Approximate
Pipefitting Level 2	9780132273145		\$130.00	Approximate
Tool Kit			\$550.00	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
<b>Pipefitting Term Total</b>			<b>\$2,182.00</b>	
<b>Total Estimated Program Cost</b>				<b>\$14,345.00</b>

\*\* 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 8/18/2017