

Tennessee College of Applied Technology Morristown

Hawkins County Extension Campus

2024-2025

Industrial Maintenance

The Industrial Maintenance Program is comprised of four trimesters of instruction: two required courses, Mechanical Maintenance and Industrial Electricity, and three 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.

Industrial Electricity - Required				432 Hours
Tuition			\$1,357.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Electrical Principles	9780826918116	ATP	\$175.00	Approximate
Electrical Motor Controls	9780826912268	ATP	\$215.00	Approximate
Ugly's Electrical Reference	9781284119367	Jones & Bartlett	\$30.00	Approximate
Benfield Conduit Bending	9780872885103	EC&M	\$40.00	Approximate
Tool Kit w/meter		Grainger	\$800.00	Approximate
TI-30Xa Calculator**			\$15.00	Approximate
Safety Glasses**			\$5.00	Approximate
Graduation Set***			\$45.00	Approximate
Industrial Electricity Term Total			\$2,765.00	
Mechanical Maintenance - Required				432 Hours
Tuition			\$1,357.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Industrial Maintenance Text	9781269792073	Pearson	\$400.00	Approximate
Fluid Power	9788888174432	G-W	\$175.00	Approximate
Mechanical Maintenance Tool Kit		Grainger	\$800.00	Approximate
Mechanical Maintenance Term Total			\$2,815.00	
Welding - Elective				432 Hours
Tuition			\$1,357.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Blueprint Reading for Welding		(Optional)	\$50.00	Approximate
Welding Jacket and Tools			\$800.00	Approximate
Welding Term Total			\$2,290.00	
HVAC-R - Elective				432 Hours
Tuition			\$1,357.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Low GWP Refrigerant Safety Manual	1930044674	Esco	\$40.00	Approximate
Low GWP Refrigerant Safety Exam (Online)		Esco	\$40.00	Approximate
Refrigeration and A/C Text/w online	9780357477267	Cengage	\$200.00	Approximate
I/M HVAC Tool Kit		United Refrig.	\$800.00	Approximate
HVAC-R Term Total			\$2,520.00	
PLCS - ROBOTICS Elective				432 Hours
Tuition			\$1,357.00	Due at Registration
Student Activity Fee			\$10.00	Due at Registration
Technology Fee			\$73.00	Due at Registration
Programmable Logic Controllers	9780826913968	ATP	\$220.00	Approximate
Programmable Logic Controllers Lab Manual	SM-1235	Future Tek	\$75.00	Approximate
PLCS - ROBOTICS Total			\$1,735.00	
Total Estimated Program Cost			Approximate	\$12,125.00

** 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 6/11/2024