Tennessee College of Applied Technology - Shelbyville 1405 Madison Street Shelbyville, TN 37160 (931) 685-5013 phone (931) 685-5016 fax

www.tcatshelbyville.edu

## Heating, Ventilation, Air Conditioning & Refrigeration Technology Full time Program Estimated Student Expense

·		
Tuition – Maintenance, Technology, and Student Activity Fees (\$1,440.00 x 4 trim	esters)	\$5,760.00
Special Academic Fee (\$100.00 x 4 trimesters)		\$400.00
Estimated Books & Supplies Expense		\$1405.50
Estimated Tool List (estimated prices for Tool List)		\$2522.00
Estimated Exams Expense		\$85.00
Total Est	imated Program Expense	\$10,172.50
Tuition – Maintenance, Technology, and Student Activity Fees		\$1,440.00
Special Academic Fee		\$100.00
First Trimester these items must be purchased		+
Safety Glasses		\$7.00
Scientific Calculator (TI30-Xiis)		\$26.00
Super Cool Slide Rule		\$27.00
Modern Refrigeration and Air Conditioning 21st	9781635638776	\$237.00
Basic Refrigeration and Charging Procedures	9781930044135	\$54.00
Electrical Theory and Applications for HVACR	9781930044326	\$67.00
This Green Awareness	978-1930044449	\$87.00
Total First trime	ester books and supplies	\$505.00
Second Trimester these items must be purchased		-
Tuition – Maintenance, Technology, and Student Activity Fees		\$1,440.00
Special Academic Fee		\$100.00
Electricity for Refrigeration, Heating and Air Conditioning 10 <sup>th</sup> Edition	9781337399128	\$220.00
Air Conditioning Service Guide R-410A and R-22 Systems	978-0615924724	\$59.00
System Diagnostics and Troubleshooting Procedures	978-1930044151	\$62.00
Total Second trim	ester books and supplies	\$341.00
Third Trimester these items must be purchased	ester books and supplies	7341.00
Tuition – Maintenance, Technology, and Student Activity Fees		\$1,440.00
Special Academic Fee		\$100.00
Heating and Cooling Essentials 5th	9781645649113	\$150.00
Heat Pumps: Operation, Installation and Service	978-1930044296	\$67.00
Gas Heating: Furnaces, Boilers, Controls, Components	978-1930044531	\$67.00
Carbon Monoxide Clear and Present Danger	978-1930044203	\$70.00
Total Third trime	ester books and supplies	\$354.00
Fourth Trimester these items must be purchased		
Tuition – Maintenance, Technology, and Student Activity Fees		\$1,440.00
Special Academic Fee		\$100.00
Commercial Refrigeration for Air Conditioning Technicians, 3 <sup>rd</sup> Edition	978-1305506435	\$205.50
	ester books and supplies	\$205.50
		,
The following exams will be paid for as needed:	'	
Freon Recover Test (EPA 608)		\$35.00

OSHA 10 Construction Safety Exam		\$50.00	
Required Tool List		Estimated Prices	
Milwaukee M12 Fuel 2 pc kit ½" Hammer Drill & ¼" Impact	2598-22	\$265.00	
Milwaukee Ultimate Jobsite Backpack	48-22-8200	\$140.00	
Milwaukee 6-in-1 Combination Wire Pliers, 2.03"x7.75"	48-22-3079	\$35.00	
Milwaukee 9" Leverage Lineman Pliers w/crimper	48-22-6100	\$74.00	
Malco ¼" & 5/16" reversible Hex Chuck Driver		\$17.00	
Milwaukee Shockwave Impact Duty Driver bit set 56 piece	48-32-4017	\$142.00	
Milwaukee Locking Bit Holder 12"	48-32-4533	\$35.00	
Klein ¼" x 5/16" Fully reversible ratcheting offset box wrench	68234	\$26.00	
Klein 3/16" x 5/16" squarex ¼"3/8" square ratcheting refrigeration wrench	68310	\$27.00	
Milwaukee 1" mini copper tubing cutter	48-22-4251	\$32.00	
Plumb Pak 8' PVC tubing cutter	PP840-35	\$19.00	
Crescent 6" & 10" adjustable wrench set		\$38.00	
Husky 9" torpedo level		\$42.00	
Husky round lighted inspection mirror		\$32.00	
Titan 5/7 8" round magnetic tray	21264	\$17.00	
Rexbeti hex key allen wrench 35 piece set		\$41.00	
Husky compact folding lock back utility knife		\$28.00	
Klein 4 in 1 precision electronics screwdriver	32581	\$23.00	
Milwaukee packout 5 compartment low profile compact small parts organizer	48-22-8450	\$126.00	
Irwin 8-inch straight jaw grooveLock Plier	4935095	\$28.00	
SE TL10 10 piece alligator clips		\$13.00	
Hilmor service hex adapter	1839046	\$16.00	
Supco 3amp circuit breaker push button		\$37.00	
Fluke 373 AMP Multimeter		\$420.00	
Fieldpiece JL3KH6 job link charge & air kit		\$643.00	
Appion CTEE14 Megaseal low-loss charging T-fitting ¼" FL		\$91.00	
Appion MGAVCT standard vacuum-rated valve core removal tool		\$115.00	
Total Estimated Tools		\$2522.00	

Please Note: Prices effective September 03, 2024. All prices are subject to change without notice. Tuition usually increases in September of each year.