



Tennessee College of Applied Technology - Shelbyville
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HVACR Technology Part Time Estimated Student Expense		
Total Estimated Program Expense		
Tuition and Technology Access Fees (\$777.00 x 8 trimesters)		\$6216.00
ACT Work keys – 1 st Trimester only		\$45.00
Estimated Books & Supplies Expense		\$1315.00
Estimated Tool List (estimated prices for Tool List)		\$2522.00
Estimated Exams Expense		\$85.00
Total Estimated Program Expense		\$10,183.00
1st Trimester Expense		
Tuition and Technology Access Fee		\$777.00
*ACT Work keys Fees Required 1 st Day		\$45.00
Total 1st Trimester Tuition & Fees		\$822.00
Books and Supplies	ISBN	Estimated Cost
Safety Glasses		\$7.00
Scientific Calculator (TI30-XA)		\$24.00
Super Cool Slide Rule		\$27.00
Modern Refrigeration and Air Conditioning 21 st edition	978-1635638776	\$188.50
Basic Refrigeration and Charging Procedures	978-1930044135	\$54.00
Electrical Theory and Applications for HVACR	978-1930044326	\$67.00
This Green Awareness	978-1930044449	\$87.00
Estimated 1st Trimester Book & Supplies Expense		\$456.50
2nd Trimester Expense		
Tuition and Technology Access Fee		\$777.00
3th Trimester Expense		
Tuition and Technology Access Fee		\$777.00
Electricity for Refrigeration, Heating and Air Conditioning 10 th Edition	978-1337399128	\$178.00
Air Conditioning Service Guide R-410A and R-22 Systems	978-0615924724	\$59.00
System Diagnostics and Troubleshooting Procedures	978-1930044151	\$62.00
Estimated 3rd Trimester Book and Tool Expense		\$299.00
4th Trimester Expense		
Tuition and Technology Access Fee		\$777.00
5th Trimester Expense		
Tuition and Technology Access Fee		\$777.00
Heating and Cooling Essentials 5 th Edition	978-1645649113	\$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
Estimated 5th Trimester Book Expense		\$354.00

6th Trimester Expense		
Tuition and Technology Access Fee		\$777.00
7th Trimester Expense		
Tuition and Technology Access Fee		\$777.00
Commercial Refrigeration for Air Conditioning Technicians, 3 rd Edition	978-1305506435	\$205.50
Estimated 7th Trimester Book Expense		\$205.50
8th Trimester Expense		
Tuition, Technology Access Fee and Student Activity Fee		\$777.00
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" square 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 set 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-vice 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 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 6, 2022. All prices are subject to change without notice. Tuition usually increases in September of each year.