

# Tennessee College of Applied Technology - Memphis

## 2022-2023

### HEATING, AIR CONDITIONING, REFRIGERATION MECHANICS

16 Months

<b>FIRST Trimester</b>			
<b>FEES</b>			
Maintenance Fee	\$ 1,253.00		
Technology Access Fee	\$ 73.00		
Student Activity Fee	\$ 10.00		
<b>Total Trimester Fee</b>		\$ 1,336.00	
<b>BOOKS</b>			
Refrigeration and Air Conditioning Technology Lab Manual Bundle	\$ 315.00		
Green Awareness	<b>41.75</b>		
EPA Certification Manual	\$ 16.95		
NATE Guide	<b>\$119.00</b>		
<b>Estimated Cost of 1st Trimester Books</b>		\$492.70	
<b>TOOLS</b>			
<b>Estimated Cost for Tools</b>	\$ 1,575.00		
Flash Drive	\$ 14.00		
<b>Estimated Cost for 1st Trimester Tools</b>		\$ 1,589.00	
<b>ESTIMATED COST FOR FIRST Trimester</b>			<b>\$ 3,417.70</b>
<b>SECOND Trimester</b>			
<b>Maintenance Fee</b>	\$ 1,253.00		
<b>Technology Access Fee</b>	\$ 73.00		
<b>Student Activity Fee</b>	\$ 10.00	\$ 1,336.00	
<b>EPA 608 EXAM</b>		\$ 42.00	
<b>ESTIMATED COST FOR SECOND Trimester</b>			<b>\$ 1,378.00</b>

<b>THIRD Trimester</b>			
Maintenance Fee	\$ 1,253.00		
Technology Access Fee	\$ 73.00		
Student Activity Fee	\$ 10.00		\$ 1,336.00
<b>ADDITIONAL PROGRAM FEES 3rd Trimester</b>			
HVAC Excellence Test	\$ 42.00		\$42.00
<b>ESTIMATED COST FOR THIRD TRIMESTER</b>			<b>\$ 1,378.00</b>
<b>FOURTH Trimester</b>			
<b>Maintenance Fee</b>	\$ 1,253.00		
<b>Technology Access Fee</b>	\$ 73.00		
<b>Student Activity Fee</b>	\$ 10.00		\$ 1,336.00
<b>ADDITIONAL PROGRAM FEES 4th Trimester</b>			
HVAC Excellence Test		\$ 42.00	\$ 42.00
<b>Estimated Cost of 4th Trimester Additional Program Fees</b>			
<b>ESTIMATED COST FOR FOURTH Trimester</b>			<b>\$1,378.00</b>
<b>ADDITIONAL PROGRAM FEES 4th Trimester</b>			
NATE Certification TEST	\$ 175.00		
			<b>\$ 175.00</b>
<b>TOTAL ESTIMATED COST OF PROGRAM</b>			<b>\$ 7,726.70</b>
<b>TOOL LIST</b>			
1/4' socket set with ratchet and extensions			
Open end or combination wrench set (1/4" to 7/8")			
Adjustable wrench 8" and 12"			
Pliers set including:			
Heavy duty diagonal cutters			
Vise grip locking pliers			
Channel lock adjustable pliers			
Needle nose			
Nut drivers 1/4", 5/16", 3/8"			
Phillips head screwdriver; #1 and #2			
Flat head screwdrivers; 1 large, 1 small			
Digital Multimeter including capacitance			
Remote Amp clamp plug-in for DMM or stand-alone amp clamp meter			

Electronic thermometer or thermocouple for DMM			
Tubing cutters; 1 small, 1 large			
Pipe wrench			
Inspection mirror			
Service gauges with EPA regulation hoses			
Refrigeration service valve wrench set			
Hacksaw			
Hammer			
Tape measure			
Long arm hex wrench set (9 pc. Preferred)			
Tool box			
Flashlight			
Wire strippers			
Solderless Trimestral crimper			
<b>SAFETY GLASSES</b>			
Cordless drill			
Digital temperature and screwdriver bits (can replace nut drivers) With nut driver and screwdriver bits (can replace nut drivers)			
Flare/swaging set			
Flare nut wrench set or second combination wrench set			
Tool pouch and belt or small tool bag (may replace toolbox)			
Pinch-off tool			
Extra pipe wrench			
Slip joint pliers			
Regular set of hex wrenches (does not replace long hex set)			
Lineman's pliers			
Service gauge set for POE refrigerants			
Tin Snips			
Wire Crimpers			
Torch Set			

<b>UNIFORMS</b>			
Polo Shirt	\$	33.60	
Pants	\$	32.20	
Hemming Fee	\$	15.75	
<b>Estimated Cost of 1st Trimester Uniforms</b>	\$	81.55	81.55

*Prices Subject to Change Without Notice*

8/9/2021

