

**REQUIRED TOOLS / EQUIPMENT
First Semester**

Quantity	ITEM
1 each	0-200 thermometer (pocket type)
1 each	Measuring tape, 25 ft. minimum
1 each	16 ounce claw hammer
1 each	Combo Multi-clamp meter (FieldPiece SC440)
1 each	Wire cutter / stripper - Klien
1 each	Electrician tape
1 each	1/4, 5/16, 3/8" magnetic hex driver bits
1 each	Dual Pressure manometer (Fieldpiece SDMN6)
1 each	Cordless drill & Impact drill
1 each	8", 10", & 12" water pump pliers
1 each	6", 8" 10" & 12" adjustable wrenches
1 each	9" linesman pliers
1 each	Type K thermocouple thermometer
1 each	1/4 inch nut driver - magnetic tip extended reach
1 each	5/16 inch nut driver - magnetic tip extended reach
1 each	7-9 piece Ratcheting wrenches 3/8" - 3/4"
1 each	SAE & Metric allen wrenches
1 each	7-inch diagonal cut pliers
1 each	8-inch needle nose pliers
1 each	Inspection mirror
1 each	LED Flashlight and LED Headlamp
1 each	Tool box or tool bag
1 each	Leather gloves
1 each	Safety glasses
1 each	Handheld drywall saw
1 each	Magnetic Torpedo level
1 each	Klein 14" Screwdriver (ex. Klein 32304)
1 each	Klein Screwdriver set (ex. Klein 85076 Insulated)
1 each	Basic drill bit set and drill/separate bit tip set
1 each	Control Screwdriver with multiple tips (ex. Klein 32581)

**APPROXIMATE COST OF 1st SEMESTER
\$1,250.00**

(Prices subject to change based on price quotes received from the vendors.)



**REQUIRED TOOLS / EQUIPMENT
Second Semester**

Quantity	ITEM
1 each	Wire brush
2 each	Pipe wrench (One 18" and one 24")
1 each	Hacksaw 12"
1 each	Hacksaw blades (5 pack)
1 each	Valve core remover with ball valve
2 each	Refrigeration service ratchet (small & large)
1 each	Bar folder 12" and 24"
1 each	Tin offset Snips (right-hand)
1 each	Tin offset Snips (left-hand)
1 each	Tin offset Snips (straight)
1 each	Sheet Metal Hammer
1 each	Sheet Metal V Notcher
1 each	Scratch awl
1 each	Sheet Metal Handbrake
1 each	Manifold guage set with 4 valves w/4 - 60" hoses
3 each	Low loss fittings for manifold hoses
1 each	Stud finder for metal and wood
1 each	Flaring and swaging tool kit (Yellow jacket)
1 each	Torch Tip cleaners (set of 12)
1 each	Tubing cutter 1/8 - 1 1/4"
1 each	Tubing cutter close quarter (imp)
1 each	Deburring tool
1 each	Handheld tube bender 3/16" - 3/8"

**APPROXIMATE COST OF 2nd SEMESTER
\$900.00**

Link for Finding Textbooks & Bookstore Cost
www.bookstore.nic.edu

APPROXIMATE TOTAL COST OF TOOLS/SUPPLIES
(NOTE: Does not include the cost of textbooks)
\$2,150



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