

HVAC Tool List

2025-2026 Tool List (rev. March 2025)

Item	Quantity	Price/range Low	Price/range High	Semester needed
Safety glasses- (Non-tinted)	1	\$5	\$10	All semesters
Safety Gloves	1	\$10	\$20	All semesters
Hard Hat	1	\$15	\$20	All semesters
Work Boots	1	\$60	\$150	All semesters
Tool Box or Tool Bag or Tool Tot	1	\$50	\$150	All semesters
Hammer Straight Claw	1	\$20	\$30	All semesters
Channel lock pliers 10in. Tongue and Groove Plier	1	\$15	\$30	All semesters
Channel lock pliers 12in. Tongue and Groove Plier	1	\$15	\$30	All semesters
Adjustable Crescent Wrench 8"	1	\$15	\$25	All semesters
Adjustable Crescent Wrench 10"	1	\$15	\$25	All semesters
Screwdriver set or Multibit screwdriver	1	\$20	\$30	All semesters
Torpedo Level	1	\$15	\$30	All semesters
Tape Measure (-Min-16ft)	1	\$15	\$25	All semesters
Digital Multimeter with Clamp (Should be able to test for Volts, Ohms, Amps, Temperature and Microfarad) (Recommended brands: Klein, Fluke, Fieldpiece, Ideal)	1	\$100	\$150	All semesters
Electronic Test Leads Kit (make sure they work with your meter)	1	\$20	\$30	All semesters
Mini tubing cutter 1/8" – 7/8"	1	\$15	\$25	All semesters
Regular tubing cutter 1/8" – 1 1/8"	1	\$20	\$35	All semesters
Inspection mirror	1	\$10	\$20	All semesters
Work light / Flashlight	1	\$15	\$25	All semesters
Diagonal Cutters	1	\$15	\$25	All semesters
Retractable Utility Knife	1	\$10	\$15	All semesters
Linesman pliers	1	\$20	\$30	All semesters

Item	Quantity	Price/range Low	Price/range High	Semester needed
Needle Nose Pliers	1	\$15	\$25	All semesters
Wire strippers	1	\$15	\$25	All semesters
Wire Crimper	1	\$20	\$30	All semesters
4-in-1 precision Electronic Screwdriver	1	\$10	\$20	All semesters
Refrigeration Service wrench with hex key adapter (Example Yellow jacket 60610)	1	\$15	\$30	Semesters 2, 3 & 4
Micron Gauge (Example CPS VG200)	1	\$150	\$300	Semesters 2, 3 & 4
Swaging set/Flaring tool (Example Imperial 275FS)	1	\$150	\$200	Semesters 2, 3 & 4
Tubing bender 180 degree (Example OTC 6515 3-in-1)	1	\$30	\$60	Semesters 2, 3 & 4
R-410A rated refrigerant gauge manifold and hose set (Brand choice examples-Yellow Jacket, Black max, Mastercool,	1	\$125	\$200	Semesters 2, 3 & 4
Low loss fittings or low loss valves (Example Yellow Jacket 19109	3	\$60	\$90	Semesters 2, 3 & 4
Valve core remover tool with isolation valve (Individual price \$50-\$80)	2	\$100	\$160	Semesters 2, 3 & 4
Temperate probe	1	\$15	\$20	Semesters 2, 3 & 4
Duct squeegee (Example 3m hand applicator squeegee)	1	\$5	\$15	Semesters 2, 3 & 4
Duct Knife (Example Milwaukee 48-22-1920)	1	\$15	\$25	Semesters 2, 3 & 4
Tin snips	1	\$20	\$30	Semesters 2, 3 & 4
Total tool list price estimates		\$1,240	\$2,160	

Tool prices can and will vary based on manufacture and quality.

Tools can be purchased locally at Meier Supply, Ferguson, Cooper Electric, R.J. Walker, Galdieri Electrical, Home Depot, Lowes or Amazon. Quality tools may come at a higher price, but often have a much longer life span compared to inexpensive tools.

A digital copy of this list with a weblink example of each tool is available;
please email Wwood@johnson.edu to request the **digital HVAC tool list**.

Some elective courses have additional tools required. It is the student's responsibility to be prepared for all courses.