



Automotive Technology First Year Tool List

Hays Campus

2021-2022

Following are the required tools for the **Automotive Technology** program. These tools can be purchased from the vendor of your choice. All tools are to be of the finest quality. Tools will be inspected prior to being used in the department. The department reserves the right to refuse the use of worn or defective tools or tools which do not conform to the specifications of this list and the department chairperson.

Required Tools and Equipment

<u>Qty</u>	<u>Item</u>
1	1/4" Dr. Set containing: Ratchet-Universal-2"-4"-6" Extensions-6pt. Sockets 3/16"-9/16" + 4mm-15mm Shallow & Deep
1	1/4" Dr. Driver Handle
1	3/8" Dr. Set Containing: Ratchet-Universal-1"-3"-6"-11"
1	Extensions-6pt. Sockets 1/4"-7/8" + 8mm-19mm Shallow & Deep
1	3/8" Dr. and 1/4" Dr. Torx Set (T8-T55)
1	3/8" Dr. Braker Bar
1	3/8" Dr. Spark plug Socket 13/16
1	3/8" Dr. Spark plug Socket 5/8"
1 of each	1/2" - 3/8" Adapter
1	3/8" - 1/2" Adapter
1	3/8" - 1/4" Adapter
1 Set	1/2" Dr. Set containing: Ratchet-Breaker Bar-6" & 10" Extensions-6pt Sockets 3/8" - 1-1/8"
1 Set	Combination Wrench Set (5/16-1") or (1/4-1")
1 Set	15 Piece S.A.E. Hex Wrench Set (.028-3/8")
1 Set	5 Piece Double End Flare Nut Wrench Set (1/4" X 5/16" - 3/4" X 13/16")
1	12" Adjustable Wrench
1 of each	Metric Combination Wrenches (7mm-19mm) or (7-21mm)
1 Set	10 Piece Metric Hex Wrench Set (2mm-12mm)
1 Set	8 Piece Combination Screwdriver Set (1"-2"-4"-6"-8" slotted + 2" #2 - 4" #2 - 3" #1 Phillips)
1 of each	8" Needle Nose, slip Joint, & Diagonal Pliers
1	9" Adjustable Joint Pliers
1 Set	Vise Grip set of 4 (1 1/4 in, 1 5/8 in, 1 7/8 in, 2 1/4 in Capacity)
1	Convertible Snap Ring Retaining Pliers
1	16 oz. Ball Peen Hammer
1	16 oz. Plastic Tip Hammer
1	2 lb. Hammer

1 Set	Punch & Chisel Set: 3/16" point Center Punch - 3/32" - 5/32" - 3/16"
1	Pin & Starter Punches - 1/2" & 5/8" Chisel
1	Flashlight
1	Tape -12 ft.
1	Carbon Scraper 7/8" Blade
1	Inspection Mirror (2 1/4")
1	Mag Pick-Up Tool
1	16" Rolling Head Pry Bar
1 Set	4 Piece Mini Pick Set
1	Feeler Gauge - 25 blades (.0015-.025) S.A.E. MM
1	Wire spark plug gapper
1	Putty Knife Stiff Blade (1 1/2")
1	6 - 12 Volt Test Light
1	Small Stainless Steel Wire Brush (Toothbrush)
1 Set	4 pcs. Battery Service Set. Battery Plier - Side Terminal cleaner - Terminal cleaner - Gm Terminal Wrench
1 of each	3/8" Dr. Universal Sockets (10mm-18mm)
1 Set	5 pcs Brake tool set (brake spring plyers, hold down removal tool, adj spoon, bleeder wrench, caliper compressor tool)
1 of each	1/2 " Dr. Deep sockets 10 - 24mm & 7/16 - 1"
1	110V Fluorescent Drop Light 25'
1	3/8" Dr. Speeder
1	3/8" Dr. Extension 24"
1	3/8" Dr. Extension 36"
1	Air Chuck
1	1/2" Dr. Impact Universal
1	Wire Brush
1	Creeper
1	Wire Crimper/Stripper/Cutter (AWG 10 - 22)
1 Set	5 Piece Metric Flare Nut Wrench Set
1	Safety Glasses (Clear Lens) 2 Pair
1	Blow Gun rubber tipped
1	1/2" Dr. Long Handle Ratchet
1	#4 Phillips Screwdriver 6"
1	3/8" Click type torque wrench 5 - 75 Ft. Lbs.
1	Tire Gauge 20 - 100 psi
1	4 pcs. Pry Bar set with Handles
1	#3 Phillips Screwdriver 6"
1	Terminal Tool Set weatherpack release
1	Deep Impact Sockets Standard 1/2 Drive 7/16" To 1"
1	21 mm Combination wrench
1	6" Rule

1	1 Oil Can
1	0-1" Mic
1	Rubber Hammer
1	Spark Tester
1	Spark Plug Wire Plier

Estimated Cost: \$4800.00

Note: Estimated costs reflect current market value and are subject to change.

Vendor Information:

Tools may be purchased from the following vendors: MATCO, MAC, Snap-On Tools, S&W Supply, Gib's Auto Supply, NAPA, or the supplier of student choice. Please contact the Department Chair with questions or for further information.