Automotive Technology Tool List
Hays Campus
2018-2019

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

1/4" Dr. Set containing: Ratchet-Universal-2"-4"-6"
Extensions-6pt. Sockets 3/16"-9/16" + 4mm-15mm Shallow & Deep
1/4" Dr. Driver Handle
3/8" Dr. Set Containing: Ratchet-Universal-1"-3"-6"-11"
Extensions-6pt. Sockets 1/4"-7/8" + 8mm-19mm Shallow & Deep
3/8" Dr. and 1/4" Dr. Torx Set (T8-T55)
3/8" Dr. Braker Bar
3/8" Dr. Spark plug Socket 13/16
3/8" Dr. Spark plug Socket 5/8"
1/2" - 3/8" Adapter
3/8" - 1/2" Adapter
3/8" - 1/4" Adapter
1/2" Dr. Set containing: Ratchet-Breaker Bar-6" & 10" Extensions-6pt Sockets 3/8" - 1-1/8"
Combination Wrench Set (5/16-1") or (1/4-1")
15 Piece S.A.E. Hex Wrench Set (.028-3/8")
5 Piece Double End Flare Nut Wrench Set (1/4" X 5/16" - 3/4" X 13/16")
12" Adjustable Wrench
Metric Combination Wrenches (7mm-19mm) or (7-21mm)
10 Piece Metric Hex Wrench Set (2mm-12mm)
8 Piece Combination Screwdriver Set (1"-2"-4"-6"-8" slotted + 2" #2 - 4" #2 - 3" #1 Phillips)
8" Needle Nose, slip Joint, & Diagonal Pliers
9" Adjustable Joint Pliers
Vise Grip set of 4 (1 1/4 in, 1 5/8 in, 1 7/8 in, 2 1/4 in Capacity)
Convertible Snap Ring Retaining Pliers
16 oz. Ball Peen Hammer
16 oz. Plastic Tip Hammer
2 lb. Hammer
Punch & Chisel Set: 3/16" point Center Punch - 3/32" - 5/32" - 3/16"
Pin & Starter Punches - 1/2" & 5/8" Chisel
Flashlight
Tape -12 ft.
Carbon Scraper 7/8" Blade
Inspection Mirror (2 1/4")
Mag Pick-Up Tool
16" Rolling Head Pry Bar
4 Piece Mini Pick Set
Feeler Gauge - 25 blades (.0015-.025) S.A.E. MM
Wire spark plug gapper

Putty Knife Stiff Blade (1 1/2")
6 - 12 Volt Test Light
Small Stainless Steel Wire Brush (Toothbrush)
4 pcs. Battery Service Set. Battery Plier - Side Terminal cleaner - Terminal cleaner - Gm Terminal Wrench
3/8" Dr. Universal Sockets (10mm-18mm)
5 pcs Brake tool set (brake spring plyers, hold down removal tool, adj spoon, bleeder wrench, caliper compressor tool)
1/2 " Dr. Deep sockets 10 - 24mm & 7/16 - 1"
110V Fluorescent Drop Light 25'
3/8" Dr. Speeder
3/8" Dr. Extension 24"
3/8" Dr. Extension 36"
Air Chuck
1/2" Dr. Impact Universal
Wire Brush
Creeper
Wire Crimper/Stripper/Cutter (AWG 10 - 22)
5 Piece Metric Flare Nut Wrench Set
Safety Glasses (Clear Lens) **2 Pair**
Blow Gun rubber tipped
1/2" Dr. Long Handle Ratchet
#4 Phillips Screwdriver 6"
3/8" Click type torque wrench 5 - 75 Ft. Lbs.
Tire Gauge 20 - 100 psi
4 pcs. Pry Bar set with Handles
#3 Phillips Screwdriver 6"
Terminal Tool Set weatherpack release
Deep Impact Sockets Standard 1/2 Drive 7/16" To 1"
21 mm Combination wrench
6" Rule
1 Oil Can
0-1" Mic
Rubber Hammer
Spark Tester
Spark Plug Wire Plier
Allen Head Sockets SAE 1/8 to 3/8 Metric 3 to 10

NOTE: Students will need to purchase a Top Chest and/or Roll Cab capable of holding the above tools. **Tool Boxes used in the Automotive Programs cannot be more than 44 inches wide.**

Second Year Tools and Equipment

Required:
Digital Multimeter (Doesn't have to be a Fluke however Fluke is preferred)
½ inch drive impact gun
½ inch drive impact sockets (Standard & Metric)
½ inch drive torque wrench (long handle)
Solder iron (butane style is preferred)

Recommended but not Mandatory:
Inch pound torque wrench 3/8 drive
Inverted torque sockets
12 point socket set (metric)
Die grinder

Estimated Cost: $4800.00 (First Year)
Estimated Cost: $1500.00 (Second Year)
Note: Estimated costs reflect current market value and are subject to change.

Vendor Information:
Tool vendors will be available during Orientation and Tool Days on campus. 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.