



# Automotive Technology Student Required Tool List

This Student Set Should Contain the Following Items

Tools updated May 2022

Quantity	Description	Part #	Price	Check-In
1	Tool Storage - Minimum 5 Drawers - Cart or Roll Cab			
1	Safety Glasses "ANSI approved"			
	<b>1/4 inch Drive Set to Include</b>			
1	Ratchet			
OPTION	Set, Socket, Semi-deep 6-Point, 1/4" drive 3/16" to 1/2"			
1	Set, Socket, Metric, Shallow, 6-Point (4mm - 14 mm)			
1	Set, Socket, Metric, Deep, 6-Point (4 to 14 mm)			
1	Extensions: 2", 4", and 6"			
1	Universal, Chrome			
1	1/4" female square drive socket driver			
	<b>3/8 Drive Set to Include</b>			
1	Ratchet			
1	Extensions, Chrome: 3", 6", and 10"			
1	Universal, Chrome (3/8" Drive)			
1	Adaptor, 3/8" Internal x 1/4" External			
1	Ratchet, Sealed Head (High Strength), Long Flex-Handle, 11 1/2"			
OPTION	Set, Socket, Semi-deep, 6-Point (11 pcs.) (1/4 to 7/8")			
1	Set, Socket, Metric, Shallow, 6-Point (12 pcs.) (8 to 19 mm) 3/8" Drive			
1	Set, Socket, Metric, Deep, 6-Point (12 pcs.) (8 to 19 mm)			
1	Socket, Spark Plug, Shallow, 5/8", 6-point			
1	Socket, Spark Plug, Shallow, 13/16", 6-point			
	<b>1/2 Drive Set to Include</b>			
1	Ratchet, Sealed Head (High Strength), 15" Long			
1	Extensions: 3" and 6"			
OPTION	Set, Socket, Shallow, 7/16" - 1" (1/2" Drive)			
1	Set, Socket, Shallow, 10mm-24mm (1/2" Drive)			
1	Set, Socket, Deep, 10-24mm (1/2" Drive)			
1	1/2" Dr Universal			
1	Breaker Bar, Minimum 24"			
1	Adaptor, 1/2" Internal drive x 3/8" External drive			
	<b>Wrench Set to Include</b>			
OPTION	Set, Wrench, Combination, 12-Point (1/4" to 7/8")			
1	Set, Wrench, Metric, Combination, 12-Point, (6-19 & 21 mm)			
1	Set, Wrench, Metric Flare Nut Double End, 6-Point (6 pcs.) (9-21mm)			
	<b>Screwdrivers</b>			
1	Set, Screwdriver, Combination, Flat Tip/PHILLIPS, (8 pcs.)			
	No combination style with different tips			
	<b>Pliers</b>			
1	Pliers, Adjustable Joint, Interlocking Channel, 9 1/4"			
1	Pliers, Needle Nose, Vinyl Grips, 8"			
1	Pliers, Slip Joint Pliers, 8"			
1	Heavy Duty Diagonal Cutting Pliers, 8"			
1	Vise Grips, Curved Jaw with Cutter, 10" Long			
1	Wire Stripper/Cutter/Crimper, (AWG 10 to 20)			

<b>Battery Tools</b>				
1	Battery Service kit : Puller, post cleaner, pliers			
<b>Hammers</b>				
1	Hammer, Plastic Tip, 16 oz.			
1	Hammer, Ball Peen, 16 oz.			
<b>Miscellaneous Tools</b>				
1	Pick-up Tool, Magnetic, Telescopic, Chrome			
1	Mirror, Round, 14" extension (Mirror: 2 1/4" Diameter)			
1	Tire Pressure Gauge			
1	Valve Core Tool			
1	Tread depth gauge			
1	DVOM (10 amp minimum and CAT III approved)			
1	Tester/Test light, for 6V and 12V Systems			
1	Gauge, Feeler, U.S./Metric, 25 blades (.0015" thru .035")			
1	Gauge, Wire Gap for Electronic Ignition Systems			
1	Rule, Tape, U.S., 16'			
1	Prybar, 16"			
1	Set, Punch and Chisel, 11 pcs. (Center/Pin/Starter/Flat)			
1	Set, Socket Driver, TORX, Standard, 1/4-3/8" Drive, T8 to T60			
1	Set, Socket Drive, Metric L-Shape, or Socket Hex 4mm to 10mm			
1	Allen Wrench Set, L-Shape, or Socket Hex (15 pcs.) (.028" to 3/8")			
1	Set, Miniature Pick, Plastic Handle, Orange, 4 pcs.			
1	Brush, Hand Scratch, Stainless Steel, 7 7/8"			
1	Putty Knife / Scraper, Red, 1 1/4 Stiff			
1	Pick, Radiator Hose, Soft Grip			
1	Carbon Scraper, Rigid, Black, 7/8" Blade Width, 7 5/8"			
1	Soldering Iron (minimum 250watt)			
1	Rear Brake Tool Assortment (spoon, spring hold down tool, return spring tool)			
1	1/2 " Drive Air Impact Wrench			
1	1/2 " Drive Impact Lugnut socket set; 19mm, 21mm, 3/4", 13/16", Extension			

**Additional Requirements:**

4 Uniform Shirts

1 Laptop or Tablet (wireless/internet capable) Internet Explorer or Chrome Browser

**NO Chromebooks**

**MAC has issues with some programs**

1 pair earbuds or headphones

**Students are required to furnish their own tools. (Please contact an academic advisor, the department chair or the program coordinator for more information.)**