

## Auto Body Repair Technology Tool List

Tools required first day of classes

Estimated cost: \$5,000-\$7,000

Quantity	Description Program Required Tools	Tool Part No.	Price	Check-In
1	Rollaway tool cabinet with locking drawers (No size limit) with a minimum wheel size of 5". (NO SIDE CABINET) (Top cabinet optional) <i>For optional tool cabinet see Optional Tools</i>			
	<b>1/4" Drive Set – To Include:</b>			
1 set	1/4" drive shallow sockets (6 point) (10 sockets 3/16" through 9/16")			
1 set	1/4" drive deep sockets (6 point) (10 sockets 3/16" through 9/16")			
1	2" extension			
1	4" extension			
1	5" ratchet			
1 set	Metric shallow sockets (4 mm through 14 mm)			
1 set	Metric deep sockets (4 mm through 14 mm)			
	<b>3/8" Drive Set – To Include:</b>			
1 set	6 point sockets, shallow (11 sockets 1/4" through 7/8")			
1 set	6 point deep sockets (1/4" through 7/8")			
1 set	6 point metric shallow sockets (6 mm through 19 mm)			
1 set	6 point deep metric sockets (6 mm through 19 mm)			
1	1" extension			
1	6" extension			
1	12" extension			
1	8" extension			
1	Universal joint 3/8 drive			
1	8" ratchet			
	<b>1/2" Drive Set – To Include:</b>			
1	Ratchet 10" min.			
1	5" extension			
1 set	Socket shallow (7/16" through 1 1/8")			
1 set	Socket deep (7/16" through 1 1/8")			
1 set	Metric socket (12 mm through 24 mm)			
1	Breaker bar 18" min. length			
	<b>Combination Wrench Sets:</b>			
1 set	Long combination wrench (1/4" through 1")			
1 set	Long metric combination wrench (6 mm through 19 mm)			
	<b>Screwdriver Sets:</b>			
1	8 piece screwdriver set to include:			
	1-13" flat tip screwdriver			
	1-No. 1 Phillips screwdriver			
	1-No. 2 Phillips screwdriver			
	1-Stubby Phillips screwdriver			
	1-Stubby Flat tip screwdriver			
	<b>PLIERS</b>			
1	Common pliers (6") slip joint			
1	Needle nose 6"			
1	Diagonal cutter 7"			
2	Vise Grip Irwin pliers (#11R NO SUBSTITUTIONS)			
1	Vise grip Irwin pliers (#10" WR <b>No Substitutions</b> )			
2	Vise grip Irwin welding clamp (#9 R <b>No Substitutions</b> )			
1	Vise grip Irwin welding clamp (#18 R <b>No Substitutions</b> )			
	<b>Miscellaneous Tools and Equipment</b>			
1	Wide vision welding helmet (Auto darkening, variable shade, minimum #9 -13 shade)			
1	Mig welding pliers (any make)			
1	Light weight welding jacket (Fabric or leather sleeves)			
1	Putty knife (1 1/2 or 2 inch wide)			
1	Welding cap or beanie (optional)			

1	18inch or 24inch prybar with flat angled tip Snap-On SPBS24 or equivalent.			
1	Straight air die grinder med. ¼ inch collet blue-point AT115 or equivalent. (No 90 degree)			
1	(Carbide) burr ¼ inch shaft tapered tree or cone shape 3/8 dia. X ¾ -inch tip. (CONE TIP TAPERED SIDES) Mac (CBF3) Snap-on (VWB6B)			
1	Small pencil screwdriver with spade tip			
1	Pair unlined (All leather only work gloves)			
1	Rubber Astro stripe eraser wheel (with attaching arbor)			
1	Punch and chisel set (6 piece) [Mayhew 751K] Punch and chisel set must include a center punch.			
1	Door striker and seat belt socket (Torx #50 3/8 drive)			
1	Torx bit socket bit set (T10, T15, T20, T25, T27, T30, T40, T45) <b>(T10-T27 can be ¼" drive, T30-T45 should be 3/8 drive.) No Tamper Proof</b>			
1	Metal finishing file blade (new, not a re-sharp)			
1	Adjustable handle for body file with attaching screws in handle (for above tool)			
1	Door handle and window clip removal tool (Snap-on A159 or equivalent)			
1	Circuit tester, 12 volt test light with insulated cup			
1	Door spring removal tool [Cornwell SM-21910]			
1 set	High speed drill bit (21 piece 1/16 through 3/8) Full set to ½" if student prefers.			
1	Tire air chuck (1/4 – 18 female NPT)			
1	Tape measure US and metric (10' and 300 cm)			
1	Safety lever blow gun (up to 150 PSI)			
1	Welder torch lighter			
1	Torch tip cleaner (victor or equivalent)			
1	Dura-Block Set No. DURAF 44A			
2	Wet or dry soft foam sanding pad (3M 05526) (Mac SBD2) (Steck 35300) (Snap-on BF192A)			
1	17" Speed File (Hutchins) [PF – 16 flex]			
1	Flashlight (small Streamlight or equivalent) with batteries (AA size) Cordless trouble light may be substituted or included if desired.			
1 set	Allen wrench US (10 piece 3/32" through 3/8")			
1 set	Allen wrench metric (11 piece 2 mm through 12 mm)			
6	Dixon nipple DCP2502 (1/4 x 18 NPT male 3/8 ID) (NAPA E style 90-605)			
3	Dixon nipple DCP2622 (1/4 x 18 NPT female 3/8 ID) (NAPA E style 90-606)			
1	Air coupler Dixon C26 (1/4 x 18 NPT female 3/8 ID) (NAPA E style 90-629)			
1	Set 5 pc door and trim removal tools (Snap-On UTS105A or equivalent) Mac (UTS024)			
1	Steck trim removal pliers (21720) or Mac (BT217)			
1	Windshield or cotter pin hook (Craftsman 94319, Snap-On A1734A) (Mac PS22A)			
1	Wire end brush 1/4 arbor (used in drill) [Milwaukee 20407] ( Twisted wire brush only)			
1	Hand wire brush [Anderson #AN43001 or equivalent]			
1 pair	Welding gloves full length HD insulated			
1	Face shield with adjustable headband and visor (with clear and dark shields)			
1	Ball peen hammer 24 oz.			
1	Air hose 50' long 3/8 ID (good rubber, not plastic)			
1	Tin snips [Wiss 1 M1R Red Left]			
1	Tin snips [Wiss 1 M2R Green Right]			
1	Step drill bit (Unibit #UN1, 1/8 through 1/2 by 1/32)			
1	Hearing protectors [Morse #M1320 or equivalent]			
1	3/8 drill (air or electric)			
1	Air powered cut-off tool [Ingersoll #IR326 or equivalent]			
1	Body hammer, cross chisel (finishing hammer)			
1	Body hammer, utility pick (short pick)			

1	Body hammer (long pick)			
1	General purpose dolly			
1	Toe dolly			
	(All body hammers dollies and spoons must be of quality domestic make, name brand. (Snap-on, Mac, Cornwell, Martin, etc.) No Streamline or No name manufacturers.			
1	Light dinging spoon (Snap On BF716A) or equivalent			
1	50' 12 Gauge electric extension cord HD			
1	Safety glasses (Z-87)			
1	Paint gun (gravity feed 1.7 nozzle)			
1	Air regulator (diaphragm) with dial gauge (for above paint gun)			
1	Pistol grip air grinder (5" disk x 14,000 rpm) [Blue Point AT 425E] Mac (AS15) or equivalent			
1	3 inch 3M roloc pad assy (#5540) or equivalent number to fit pistol grip air grinder (Roloc disc assy. Must fit provided Pistol grip air grinder.) <b>Please make sure this Roloc adapter fits the pistol grip grinder provided in this set.</b>			
1 sander and 2 pads	Dual action Palm sander with 3/16 orbit, with 6 inch pad for 3M stickit sandpaper And 6 inch Hookit pad			
1	3M 6 inch DA Hookit foam interface pad (05777)			
1	Equalizer pinchweld prepmaster kit SKE291 or SK345 (NO SUBSTITUTIONS)			
1	Adjustable hood prop rod (LISLE or EQUIVALENT)			
2	Rope ratchet straps (1/4 inch)			
1 set	Air hammer with 5 chisels [Cornwell CP-7110 K or equivalent]			
1	Steck seam buster tool (20015) or Mac (SB1000)			
1	Bastard file (8")			
1	Utility Knife with blades			
1	Razor blade knife, blue-point YA5200A or equivalent			
1	Tough guard welding blanket 4x6 (Keystone PMA7246) or equivalent			
1	3M P100 Particulate Respirator sized Med. Or Large and 2 sets of 2097/ 07184** replacement filters, or equivalent reusable OSHA approved respirator.			
	<b>Required Supplies from College Store or other vendor of student's choice</b>			
1	Box of 25 3" Roloc twist lock 50 grit sanding discs			
1 pkg.	3" round abrasive cutoff wheels (5 per pkg.)			
2	Rolls of disposable shop towels or 1 larger box			
1	Plastic spray bottle for water or alcohol mix			
1	Box size large of 100 disposable solvent proof nitrile gloves (No latex or vinyl)			
2	Black fine point sharpie permanent markers			
1	College type folder for storing lab project papers			
	<b>Required 2<sup>nd</sup> Year Tools</b>			
1	Buffer with 7" backing plate (electric) no orbitals			
1	Sata, IWATA, Devilbiss, Sharpe or equivalent BC/CC gravity feed spray gun			
	<b>Optional Tools For Transition to Industry Upon Graduation</b>			
1	Double piston air file			
1	1/4" air ratchet			
1	3/8" air ratchet			
1	1/2" air impact			
1	Small PDR set of pry bars			
	<b>TOTAL COST</b>			

**NOTE: Tools need to be ordered by mid-June to guarantee delivery by August.**