Auto Body Repair Technology
Tool List
Tools required first day of classes
Estimated cost: $5,000-$8,000

Quantity	Description Program Required Tools	Tool Part No.	Price	Check-In
1	Rollaway tool cabinet with locking drawers (58" length limit) with a minimum wheel size of 5". (NO SIDE CABINET) (Top cabinet optional) *For optional tool cabinet see Optional Tools*			
	1/4" Drive Set – To Include:			
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)			
	3/8" Drive Set – To Include:			
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			
	1/2" Drive Set – To Include:			
1	Ratchet 10" min.			
1	5" extension			
1 set	Socket shallow (7/16" through 1 1/8")			
1 set	Metric Socket deep (10 or 12mm through 24mm) May be impact set. (Replaced std. with metric set)			
1 set	Metric socket (12 mm through 24 mm)			
1	Breaker bar 18" min. length			
	Combination Wrench Sets:			
1 set	Long combination wrench (1/4" through 1")			
1 set	Long metric combination wrench (6 mm through 19 mm)			
	Screwdriver Sets:			
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			
	PLIERS			
1	Common pliers (6") slip joint			
1	Needle nose 6"			
1	Diagonal cutter 7"			
1	Steck 23230 plug weld clamping pliers or similar brand			
2	Vise Grip Irwin pliers (#11R NO SUBSTITUTIONS)			
1	Vise grip Irwin pliers (#10" WR *No Substitutions*)			
2	Vise grip Irwin welding clamp (#9 R *No Substitutions*)			
1	Vise grip Irwin welding clamp (#18 R *No Substitutions*)			
	Miscellaneous Tools and Equipment			
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 ½ 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) (**T10-T27 can be ¼" drive, T30-T45 should be 3/8 drive.**) No Tamper Proof			
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 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	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	File belt sander 3/8 x 13"(Mac AS10) or equivalent			
1	4 ½" electric angle grinder w/ 5/8" spindle +hardwheel			
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.) **Please make sure this Roloc adapter fits the pistol grip grinder provided in this set.**			
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)			
1 set	Air hammer with 5 chisels [Cornwell CP-7110 K or equivalent]			
1	Steck seam buster tool (20015) or Mac (SB1000)			
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.			
	Required Supplies from College Store or other vendor of student's choice			
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			
	Required 2nd Year Tools			
1	Buffer with 7" backing plate (electric) no orbitals			
1	Sata, IWATA, Devilbiss, Sharpe or equivalent BC/CC gravity feed spray gun			
	Optional Tools For Transition to Industry Upon Graduation			
1	Double piston air file			
1	¼" air ratchet			
1	3/8" air ratchet			
1	½" air impact			
1	Small PDR set of pry bars			
	TOTAL COST			

Request tool vendor to deliver tools to Northeast Community College by August 19, 2024, first day of classes.

Tools are required on the first day of class in August.