

Auto Collision Repair Technology

Required Tools List

Auto Body Mechanical Tool Set

All students are required to have their own personal tool set from the following list to use for classroom/lab projects **prior to the beginning of the semester. Estimated tool cost: \$3,329.**

WITCC does not recommend a particular vendor; the College only suggests that you purchase commercial quality tools. For more information, please feel free to contact:

- Raleigh Downey 712-274-8733, Ext. 1312 downeyr@witcc.edu
- Steve Bell 712-274-8733, Ext. 1454 bells@witcc.edu

1/4" Drive

- 2" long shank driver with 1/4" sq. in handle
- Ratchet
- 2" extension
- 4" extension
- Universal Joint
- 3/16" through 9/16" standard 6 point sockets on rail
- 3/16" through 9/16" deep 6 point sockets on rail
- 6mm through 14mm deep 6 point sockets on rail
- 6mm through 14mm standard 6 point sockets on rail

3/8" Drive

- Ratchet (10' length)
- 1 1/2" extension
- 4" extension
- 8" extension
- Universal Joint
- GM Torx Striker Socket
- 3/8" through 3/4" standard 6 point sockets on rail
- 3/8" through 3/4" deep 6 point sockets on rail
- 8mm through 19mm standard 6 point sockets on rail
- 8mm through 19mm deep 6 point sockets on rail

1/2" Drive

- Flex head ratchet (17" handle)
- 12mm through 24mm metric standard 6 point sockets on rail

Combination wrenches

- 3/8" through 3/4" 12 point (chrome finish)
- 6mm through 19mm 12 point (chrome finish)

Screwdrivers

Flat tip

- 3/16" x 2 1/2"
- 1/4" x 1 1/2"
- 1/4" x 4"
- 5/16" x 6"
- 3/8" x 8"

Phillips tip

- #1 x 3"
- #2 x 1 1/2"
- #2 x 4"
- #3 x 6"

Magnetic screwdriver and bits. Bit sizes:

- Torx (T10, T15, T20, T25, T27, T30)
- Pozidrive (#1, #2)

Miscellaneous

- 7" diagonal cutting pliers
- Flat tip screw starter
- Magnetic pick-up tool
- Scratch awl
- 12" adjustable wrench
- 2 air coupler nipples (milton 727 style, female)
- 2 air coupler nipples (milton, 727 style, male)
- Hex wrench set 1/16" through 3/16" (1/64" increments)
- 6 and 12 volt circuit tester
- 5/16" battery wrench
- Oxy-Acet welding goggles (lift front visor)
- 1 - 6" dual action sander
- Curved tooth flat body file (14" long)
- 2 3/4" x 17 1/2" file board
- 3" x 8" rubber sanding block
- Thin body spoon
- Saw handle type file holders (14" long)
- 18" body pick
- Inside door panel removing tools (1 V-type, 1 U-type)
- Reveal moulding release tool
- 16 ft. x 3/4" steel tape measure
- 1/16" through 1/2" drill bit set (15 bit minimum)
- 1 1/2" wide putty knife (stiff blade)
- Utility knife
- Inside door handle removing tool (slide-in type)
- Air dusting gun with rubber tip
- Oxy-Acet torch striker
- Oxy-Acet tip cleaner
- 40" x 19" (minimum) rolling lower tool cabinet with at least one full-length drawer

Hammers

- 48 oz. ball peen hammer
- Wide nose cross peen
- Short picking and dinging

Dollies

- Toe
- Heel

- General Purpose

Vise grips

- 7" pliers (7r)
- Bending tool (8r)
- Welding clamp (9r)

Miscellaneous

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PLEASE NOTE:

Tool vendors may be available during the first week of class to assist you with tool selection, pricing, and ordering information.

If you have any questions, feel free to contact instructors.

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Tool List

Refinishing Students

Estimated tool cost: \$470.

- 1 - gravity feed spray gun 1.3
- 1 - gravity feed spray gun 1.5
- 1 - gravity feed spray gun 1.8
- 3 - Air regulators for spray guns (NOT restriction valves)
- 3 - male air nipples (Milton 727 style)

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Total Estimate for 1st & 2nd Year:

1st year Mech Set \$3,329
2nd year Refinishing..... \$ 470