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Automotive Technology Tool List

Students accepted in the Automotive Technology program at Washington County Community College are expected to have certain tools. The tools listed below must be of top quality, but do not have to be of a particular brand or new. If a student has a question about this matter, contact your instructor, Ron O'Brien at robrien@wccc.me.edu or at 207-454-1065. While you are expected to bring your tools to school during the first week of school, we have tool vendors that offer substantial discounts to WCCC students that will be on campus the first or second week of classes. If your set is incomplete or you would like to take advantage of the discounts make sure you have money available to order and purchase at that time. Drafting supplies and books can be purchased through WCCC's Bookstore.

REQUIRED:

- Steel tool box (lockable), roll around bottom cabinet preferred, large enough to allow for Proper organization of tools.
- Tool box(s) **must** have your name engraved or a name plate installed on it. Tools **must** be engraved.
- 1/4"** drive socket set including: Standard and metric sockets (Shallow and deep)
2 extensions- 3" & 6"
1 ratchet
- 3/8"** drive socket set including: Standard and Metric 6 point sockets
Shallow and Deep- Standard Sizes **5/16" to 7/8"**
Metric sizes **9mm-19mm**
3 extensions- 3" 6" & 12"
1 regular ratchet
1 flex head ratchet
Spark plug sockets- **5/8" & 13/16"**
- 1/2"** drive socket set including: **7/16" – 1 1/4"** sockets
2-extensions- 6" & 12"
1-ratchet
1-flex bar (**minimum 18" long**)
- Combination Wrench sets: Standard sizes **1/4" – 1 1/4"**
Metric sizes **7mm-24mm**
- Flare nut wrench set (tubing wrenches): **3/8" through 7/8"**

- Screwdriver set including: Blade type- Stubby, **6", 9", & 12"** also offset
Phillips type- Stubby, **6" #1 & #2, 12" #3 also offset #2**
- Hammers: Ball peen - **16 oz, 32 oz**, Plastic tipped hammer with replaceable tips
- Hacksaw & spare blades
- Pliers: Pair slip joint pliers
- Pair diagonal cutters
- Pair needle nose pliers **8"**
- Pair channel lock pliers- **15" or longer**
- Vise grips **5" & 10"** (Vise Grip brand preferred)
- Adjustable wrench **12"**
- Hex wrench set standard and metric (socket type preferred)
- Torx bit socket set sizes **T-8 thru T-60**
- OSHA & UL Approved **3-prong grounded- 25'** Drop light
(IMPORTANT: LIGHT CANNOT HAVE A SWITCH OR PLUG-IN RECPTICAL)
- 25' #16** gauge or heavier extension cord
- Oil squirt can (bench size)
- Pry bars- rolling head & straight (not carpenter type)
- Screwdriver handle pry bar set
- Feeler gauge set- go-no-go type
- Spark plug feeler gauge- wire type gap tool
- 12 volt** test light
- Punch & cold chisel set including aligning & pin punches with punch/chisel handle
- Flashlight
- Permanent Ink marker/paint pen (white or yellow)
- 12'** Steel measuring tape (standard and metric preferred)
- 6"** Machinist ruler
- 0-6"/ 0-125mm** Vernier Caliper (any style- dial or digital)
- Gasket scraper
- Pocket knife w/locking blades
- Mill file/bastard cut **10"** or larger
- Wire brush
- Basic function calculator
- Telescoping: inspection mirror
- Magnetic pick-up tool

Clothing:

THE FOLLOWING ITEMS ARE A REQUIREMENT TO PARTICIPATE IN THE LAB/SHOP AREA.

- Coveralls or Lab Coat (*Must be purchased in the WCCC Bookstore*)
- Safety-toed work boots or shoes (steel-toed optional)
Must be leather work boots- **NO** sneaker type
- OSHA** Approved Safety glasses- CLEAR plastic lenses with side shields only.
NO colored or reflective lenses

RECOMMENDED ITEMS:

- Metric Flare Nut Wrench set (tubing wrenches): **10mm through 17mm**
- 48oz** mallet
- Drill bit set- **1/16" thru 1/2"**
- Dead blow hammer- **3lb**
- Folding razor blade scraper w/spare blades
- Claw type pick up tool
- Quality hand impact driver
- Flex sockets- standard sizes **3/8"- 3/4"** (**metric sizes 10mm – 19mm also recommended**)
- Brass punches
- 1/2" drive deep sockets (SAE & Metric)
- Tire service set including: Pressure & tread depth gauges w/ valve core remover
- Brake tool service set
- Vacuum/pressure gauge
- 10** Mega OHM Digital Multi-meter

Approx. Tool Cost: **\$1500 - \$2500**



WCCC Tool Vendor List

(Listed in Alphabetical Order)

Fastenal

Frederick Stone
19 Boggy Brook Road
Ellsworth, ME 04605
207. 667.9069
fstone@fastenal.com

Gearwrench Tools

Glen Snyder
NH Bragg & Sons
92 Perry Road PO Box 927
Bangor ME 04402-0927
1.800.432.7950, Voice Mail 325
207.944.3436 Cell
gsnyder@nhbragg.com

Johnson's True Value Hardware

100 North Street
Calais ME 04619
207.454.2551

Matco Tools

www.Matcotools.com
Votech Program

Napa Auto Parts

Hal Deacon
Rier Auto Parts
Main Street, Calais ME 04619
207.454.2901

Snap-on Tools

www.snapon.com
Dave McCarthy, 128 Woodland Road,
Sebago ME 04029
207.787.2999
207.653.4635 cell
207.787.2999 fax
david.f.mccarthy@snapon.com

NOTE: Tool vendor websites have vocational or votech registration sections that you register yourself as a student to receive discount pricing.