



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:

1. Steel tool box (lockable), roll around bottom cabinet preferred, large enough to allow for Proper organization of tools.
2. Tool box(s) must have your name engraved or a name plate installed on it. Tools must be engraved.
3. 1/4" drive socket set including: Standard and metric sockets (Shallow and deep) 2 extensions- 3" & 6" 1 ratchet
4. 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"
5. 1/2" drive socket set including: 7/16" – 1 1/4" sockets 2-extensions- 6" & 12" 1-ratchet 1-flex bar (minimum 18" long)
6. Combination Wrench sets: Standard sizes 1/4" – 1 1/4" Metric sizes 7mm-24mm
7. Flare nut wrench set (tubing wrenches): 3/8" through 7/8"
8. Screwdriver set including: Blade type- Stubby, 6", 9", & 12" also offset Phillips type- Stubby, 6" #1 & #2, 12" #3 also offset #2
9. Hammers: Ball peen - 16 oz, 32 oz, Plastic tipped hammer with replaceable tips
10. Hacksaw & spare blades
11. Pliers: Pair slip joint pliers
12. Pair diagonal cutters
13. Pair needle nose pliers 8"
14. Pair channel lock pliers- 15" or longer
15. Vise grips 5" & 10" (Vise Grip brand preferred)
16. Adjustable wrench 12"
17. Hex wrench set standard and metric (socket type preferred)
18. Torx bit socket set sizes T-8 thru T-60
19. OSHA & UL Approved 3-prong grounded- 25' Drop light (**IMPORTANT LIGHT CANNOT HAVE A SWITCH OR PLUG-IN RECEPTICAL**)



Washington County Community College is an equal opportunity/affirmative action institution and employer. For more information; please call Tatiana Osmond, Affirmative Action Officer, at 454-1040

Automotive Technology Tool List

Required:

20. 25' #16 gauge or heavier extension cord
21. Oil squirt can (bench size)
22. Pry bars- rolling head & straight (not carpenter type)
23. Screwdriver handle pry bar set
24. Feeler gauge set- go-no-go type
25. Spark plug feeler gauge- wire type gap tool
26. 12 volt test light
27. Punch & cold chisel set including aligning & pin punches with punch/chisel handle
28. Flashlight
29. Permanent Ink marker/paint pen (white or yellow)
30. 12' Steel measuring tape (standard and metric preferred)
31. 6" Machinist ruler
32. 0-6"/ 0-125mm Vernier Caliper (any style- dial or digital)
33. Gasket scraper
34. Pocket knife w/locking blades
35. Mill file/bastard cut 10" or larger
36. Wire brush
37. Basic function calculator
38. Telescoping inspection mirror
39. Magnetic pick-up tool

Clothing: (THE FOLLOWING ITEMS ARE A REQUIREMENT TO PARTICIPATE IN THE LAB/SHOP AREA.)

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

Recommended Items:

1. Metric Flare Nut Wrench set (tubing wrenches): 10mm through 17mm
2. 48oz mallet
3. Drill bit set- 1/16" thru 1/2"
4. Dead blow hammer- 3lb
5. Folding razor blade scraper w/spare blades
6. Claw type pick up tool
7. Quality hand impact driver
8. Flex sockets- standard sizes 3/8"- 3/4" (metric sizes 10mm – 19mm also recommended)
9. Brass punches
10. 1/2" drive deep sockets (SAE & Metric)
11. Tire service set including: Pressure & tread depth gauges w/ valve core remover
12. Brake tool service set
13. Vacuum/pressure gauge
14. 10 Mega OHM Digital Multi-meter

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

Automotive Technology Tool List

WCCC Tool Vendor List:

FASTENAL
19 Boggy Brook Road
Ellsworth, ME 04605
207-667-9069

MAC Tools
www.mactools.com
Student Tool Program

Snap-on Industrial
Alyssa Vieira
207-595-5067
alyssa.vieira@snapon.com

Gearwrench Tools
Glen Snyder
NH Bragg & Sons
92 Perry Road PO Box 927
Bangor, ME 04402-0927
1-800-432-7950, Voicemail 325
207-944-3436 Cell
gsnyder@nhbragg.com

Matco Tools
www.matcotools.com
Votech Program

Johnson's True Value Hardware
100 North Street
Calais, ME 04619
207-454-2551

Napa Auto Parts
Hal Deacon
Rier Auto Parts
Main Street, Calais, ME 04619
207-454-2901

ACE Hardware
Calais Ace Home Center
295 North Street
Calais, ME 04619
207-454-2309
www.calaisacehomecenter.com
rcaseatace1@gmail.com