2019 – 2020 Automotive Program MINIMUM Required Tool List

FIRST YEAR

All Anoka Technical College Automotive Students are required to provide their own Professional quality set of hand tools and have them available for lab use each day that you are at school. The list that follows contains the Minimum tool requirements to start the First Year of our program. When you are employed as a technician, it is impossible to know what vehicles you will be working on that day or what specific tools you will need. The same is also true while you attend school at ATC. We have taken a great deal of time to reduce the tools required in our program to the bare minimum in order to reduce your initial expense. It is important to remember that Professional quality tools are an investment in yourself and your future career. To reduce your initial expense we have separated the tool requirements into a First Year and a Second Year set. Both sets are considered the Minimum tools that you will need as you attend our program and are Required as you start your first and second year. These tools will eventually be required on the job as an automotive technician.

Our program schedules a formal Tool Day each year in July. Representatives from a variety of professional tool manufacturers will attend. Although you are not obligated to purchase tools from these vendors, they can provide assistance with both tool selection and purchase options. The professional tool manufacturers do offer a discount of approximately 50% on the purchase of their tools through their respective Vocational Education programs. You will be eligible for this discount the entire time you are enrolled in our program. The Vocational Education pricing is ONLY available through this program and is not honored by the independent business owners driving the tool trucks that may stop at your place of employment.

You are responsible for the organization, care, storage, and security of your tools. You will be expected to provide tool storage. The school does not insure your tools. Most homeowner’s insurance policies will cover some tools although there is usually a limit to that coverage. Insurance in excess of that limit will typically require an additional low-cost rider. Contact your insurance company for specific details. Internship work sites or some part-time jobs you may elect to participate in while attending school may require that you have additional tools.

You are responsible for knowing what tools are required at your work site and transporting tools between school and work as required.

- ¼” Drive Socket Set w/ Ratchet, Nut Driver Handle, Universal Joint, & 2”, 4”, & 6” Extensions- 6 pt. 4 to 15mm Standard & Deep sockets
- 3/8” Drive Socket Set- w/ Ratchet & U-Joint- 6 pt. 8 to 19mm
- 3/8” Drive Extensions- 1”, 3”, 6”, & 11” long
- 3/8” Drive Long Flex Head Ratchet
- 3/8” Drive Deep Sockets- 6 pt. 8 to 19mm
- 3/8” Drive Hex Bit Sockets 4mm to 10mm
- 1/4” Drive Internal Torx Driver Set (including T8 to T55
- 1/4” Drive Spark Plug Socket (13/16”)
- 1/4” Drive Spark Plug Socket (5/8”)
- 9/16” to 5/8” Drive Adapter
- 3/8” Ratchet
- 3/8” Drive Breaker Bar 18” minimum
- 3/8” Drive Extensions 5” & 10”
- 1/2” Sockets Std. 12mm to 24mm
- 1/2” Drive 15 to 250 ft.lb. Digital Torque Wrench
- Combination Wrench Set- 6 to 25mm 10 to 19mm
- Flare Nut Wrench Set- 9 to 19mm
- 12” Adjustable Wrench
- Ratcheting Magnetic Screwdriver
- 3-4 piece Angled Pry Bar set
- 24 oz. Dead Blow Ball Peen Hammer
- Combination Pliers 7-8”
- Side Cutter Pliers (not Lineman’s Pliers) 7-8”
- Adjustable Arc Joint Pliers 9-10”
- Needle Nose Pliers 7”
- Needle Nose Pliers 8”
- Vise Grip Pliers 8-10”
- Screwdriver Set (6 piece minimum) Standard & Phillips
- Wire Stripper/Cutter/Crimping Pliers
- Snap Ring Pliers, Interchangeable Tip
- Punch and Chisel Set (Pin, Starting & Center)
- Battery Cable Clamp Puller
- Battery Top Terminal Cleaner w/ Spring Steel cutting blades and brush for side terminals
- Rigid Gasket Scraper

- Flexible Gasket Scraper (Putty Knife)
- 2” Inspection Mirror
- HD Magnetic Pick-up Tool
- Magnetic Parts Tray
- Feeler Gauge- Standard-.0015”-.030”
- Feeler Gauge Metric-.05 – 1.0mm
- Sparkplug Gap Gauge Wire style- Narrow Gap
- Sparkplug Gap Gauge Wire style- Wide Gap
- 2 Fender Covers
- Tire Pressure Gauge 100 psi Minimum
- Tire Tread Depth Gauge
- Tire Air Chuck w/ Milton Type M #727 Quick*** Connect Air Nipple
- TPMS Compliant Torque Limiting Schrader Valve Core Tool
- Electronic Ignition Spark Tester (KD2756 Spark Plug w/ Grounding Clip style)
- 10 to 12 foot Tape Measure
- Universal Door Panel Removal Tool
- Oil Filter Wrench socket set Kit
- Disc Brake Caliper Socket Set
- General Brake Service Kit with Brake Shoe Spring Tool, Star Wheel Adjustment Tool, & Universal Brake Hold Down Spring Tool
- Blow Gun- OSHA Approved w/ Milton Type M #727 Quick Connect Air Nipple
- 12 Volt Incandescent Test Light/Circuit Tester (NO LED test lights)
- Bed of Nails Style Alligator Clip- Red
- Ear Protection Headphone style with ear cups
- 2 pair Clear ANSI Z87.1 Safety Glasses
- 4 piece Mini Pick Set
- Hose Pick
- Fluke 88-5/A- Automotive Digital Multimeter Deluxe Kit with Storage Box, Lead Set, & Accessories (Fluke Model 88-V or 88-5 ONLY, no earlier versions accepted)
- Tool Storage Roller Cabinet (54” wide MAX)
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SECOND YEAR

All Anoka Technical College Automotive Students are required to provide their own Professional quality basic set of hand tools and have them available for lab use each day that you are at school. Professional quality tools are an investment in yourself and your career.

The list that follows contains the Minimum tools Required to start the Second Year of our program.

Our program schedules a formal Tool Day each year in July. Representatives from a variety of professional tool manufacturers will attend. Although you are not obligated to purchase tools from these vendors, they can provide assistance with both tool selection and purchase options. The professional tool manufacturers do offer a discount of approximately 50% on the purchase of their tools through their respective Vocational Education programs. You will be eligible for this discount the entire time you are enrolled in our program. The Vocational Education pricing is ONLY available through this program and is not honored by the independent business owners driving the tool trucks that may stop at your place of employment.

You are responsible for the organization, care, storage, and security of your tools. You will be expected to provide secure tool storage. The school does not insure your tools. Most homeowner’s insurance policies will cover some tools although there is usually a limit to that coverage. Insurance in excess of that limit will typically require an additional low-cost rider. Contact your insurance company for specific details. Internship work sites or some part-time jobs you may elect to participate in while attending school may require that you have additional tools.

You are responsible for knowing what tools are required at your work site and transporting tools between school and work as required.

- ¼" Drive Socket Set- 6 pt. 3/16" to 9/16" Std & Deep
- ¼" or ⁵⁄₈" Drive Impact Driver w/ Milton Type M#727 Quick Connect Air Nipple OR ¼" or ⁵⁄₈" Drive Cordless Impact Driver
- ³⁄₈" Drive Socket Set- 6 pt. ⁵⁄₈" to 13/₁₆” Std & Deep
- ³⁄₈" Drive Extensions- 18" & 24" long
- ³⁄₈" Drive External Torx Driver Set (E4 to E12)
- ¼" to ³⁄₈" Drive Adapter
- ⁵⁄₈" to ¼" Drive Adapter
- ⁵⁄₈" Drive 10 to 100-150 ft.lb. Digital Torque Wrench
- ⁵⁄₈" Drive Ratchet w/ Milton Type M#727 Quick Connect Air Nipple OR ⁵⁄₈" Cordless Ratchet
- ³⁄₈" Drive Impact Sockets- 6 pt. 8 to 19mm Std & Deep
- ³⁄₈" Drive Impact Sockets- 6 pt. ⁵⁄₈" to 13/₁₆” Std & Deep
- ½" Drive Extensions 12" & 18"
- ½" Drive Internal Torx Driver T60
- ½" Drive Impact Sockets- 6 pt. 7/₁₆" to 1"
- ½" Drive 6 pt. Standard Impact Sockets 15 to 25mm
- Combination Wrench Set- ¼" to 1"
- Flare Nut Wrench Set- ⁵⁄₈" to 13/₁₆”
- Side Terminal Battery Wrench- Ratcheting
- Torx Screwdriver Set T10 to T30
- 3 to 4 lb. Hand Drilling Hammer
- Wheel Cover Removal & Installation Mallet
- 10" Mill File & Handle
- Antifreeze/DEF Refractometer
- LED Trouble Light corded or cordless
- LED Penlight or Pocket Flashlight

It is suggested that you purchase as many tools as you can afford while you are in school. The Vocational Education programs end when you are no longer attending school, as do the discounts. You will never be able to buy tools at the prices that are offered while you are enrolled at Anoka Tech. Consult with other technicians that you work with to get an idea of what additional tools to consider purchasing as you start your career.