



# FORT HAYS TECH ***NORTH CENTRAL***

## Automotive Technology Beloit Campus 2026-2027

The following are the required tools for this program. All tools are to be of the finest quality. Tools will be inspected prior to being used in the department. The department reserves the right to refuse the use of worn or defective tools or tools which do not conform to the specifications of this list and the department chairperson.

### Required Tools and Equipment:

Quantity	Tool Item Name
	1/4" Drive:
1 set	Metric Shallow 4mm-15mm
1 set	Metric Deep 4mm-15mm
1 set	Standard Shallow 3/16"-9/16"
1 set	Standard Deep 3/16"-9/16"
1	1/4" Ratchet Short Handle
1	1/4" Ratchet Long Handle Flex Head
1 set	1/4" Extensions Kit
1	1/4" Driver Handle
	3/8" Drive:
1 set	Metric Shallow 8mm-19mm
1 set	Metric Deep 8mm-19mm
1 set	Standard Shallow 1/4"-7/8"
1 set	Standard Deep 1/4"-7/8"
1	3/8" Short Handle Ratchet
1	3/8" x 12" Long (Approx.) Handle Flex Head Ratchet
1 set	3/8" Extensions Kit
1	3/8" Extension 24" Long
1	3/8" Speeder Wrench
1 set	Spark Plug Socket Set
	1/2" Drive:
1 set	1/2" Drive Deep Metric Impact Socket set (10mm-24mm)
1	20MM



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1	21MM
1	22MM
1	23MM
1	24MM
1	1/2" Drive Deep SAE Impact Socket set (3/8"-1 1/8")
1	1/2" Breaker Bar
1	1/2" Long Handle Ratchet
1 set	1/2" Drive Extensions Kit
1	Torx Driver Set T-8 - T-60
1	Inverted Torx Drivers E-8 - E20
1	1/2"-3/8" Adapter
1	3/8"-1/2" Adapter
1	3/8"-1/4" Adapter
1 set	Universal Joint Set 1/4" 3/8" 1/2"
	Wrench Sets:
1 set	Standard Combo 5/16"-1"
1 set	Metric Combo 8mm-19mm, 21mm, 22mm
1 set	Standard Double end Flare Nut Wrench Set
1 set	5 pc. 1/4" x 5/16" - 3/4" x 13/16"
1 set	Metric Double End Flare Nut Wrench Set
1 set	6pc. 9mm-21mm
1 set	Metric Hex Wrench Set (Allen Wrench)
1 set	Standard Hex Wrench Set (Allen Wrench)
1	12" Adjustable Wrench (Crescent Wrench)
	Pliers:
1	7" Needle Nose Pliers (Approx.)
1	8" Slip Joint Pliers (Approx.)
1	7" Diagonal Cutter (Approx.)
1	9" Adjustable Joint Pliers (Approx.)
1	Vise Grip Set (2 curved jaw 2 needle nose)
1	Wire Strippers/Crimpers
1	6 Piece Snap-Ring Pliers Set (18 deg. offset and 90 deg. bent)
	Additional Tools:
1 set	10 pc Screwdriver Set (5 Standard & 5 Phillips)
1	(Phillips need to go up to #4)



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1	Radiator Hose Tool
1	16 oz Ball Peen Hammer
1	48 oz Ball Drilling Hammer
1	21 oz Soft Face Dead Blow Hammer
1	48 oz Soft face Dead Blow Hammer
1 set	19 Piece Punch and Chisel Set Including Center Punch
1	Hacksaw with 12" Blades
1	Wire Brush 10" (Approx.)
1	Wire Brush Small Stainless Steel (ToothBrush)
1	Work Light/Drop Light
1	Flash light
1	12' Tape measure
1	Carbon Scraper 7/8"
1	Putty Knife 1 1/2" Blade
1	Inspection Mirror 2 1/4"
1	Magnetic Pick up tool
1	16" Rolling Head Pry Bar
1	Pry Bar Set 4 pcs. With Handles
1	4 pc. Mini Pic Set
1	Feeler Gauge Set 25 Blade Universal
1	Spark Plug Gaper (Wire Gauge preferred)
1	(Ramp Gauge Not Recommended)
1	Test Light 6-12 V Circuit Tester
1 set	Brake Tool Set
1	Brake Caliper Depressor
1	Battery Terminal Service set
1	Air Chuck
1	Rubber Tipped Blow Gun
1	Tire Gauge 20-100 PSI
1	Creeper
1	Tool Engraver 110 Volt
1	Safety Glasses
1	Safety Goggles
1	50-250 Ft lbs Torque Wrench
1	Oil filter Tool



1	Funnel
1	Fender Cover
1	Spark Tester
1	Coolant tester –Refractometer Type
1	Cable Style Spring Clamp Pliers
1	Door Trim Tool
1	Laptop (No Chromebook, iPad, or MacBook)

**Vendor Information:**

Tools can be purchased from the vendor of your choice.

**Contact:**

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