



FORT HAYS TECH ***NORTH CENTRAL***

Diesel Technology Beloit Campus 2025-2026

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
3/8 drive	
1	3/8" 10 in & up Torque wrench
1	Ratchet Handle
1	Flexhead Handle
3	3 Extensions (1.5 or 3, 4 or 6, 8 or 12 in.)
1	Spark Plug Sockets (5/8 & 13/16)
1	Universal Joint
3/8 sockets	
1	Std. 1/4 - 15/16 Shallow (12 Point)
1	Std. 1/4 - 15/16 Deepwell (6 or 12 Point)
1	Metric Shallows 8 - 22 mm (12 Point)
1	Metric Deepwell 8 - 22 mm (6 Point)
1	Impact Deepwell Sockets 3/8 - 7/8 (6 Point)
1	Impact Metric Deepwell Sockets 8 - 24 (6 Point)
1	3/8 Impact Gun (Pistol Grip)
1	3/8 Flexhead Impact Sockets 3/8 - 3/4
1	3/8 Impact Extension 12 - inches
1	3/8 Torx Driver Set (T8 - T55 and 1/2" drive T60)
1/2 inch	1/2 inch drive
1	Ratchet
1	Breaker Bar
1	4 Extensions (2, 4, 8 & 10 in.)
1	Torque Wrench (25-250 ft. Lbs.)



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1	Universal Joint
Sockets 1/2	
1	Std. 3/8 - 1 1/2 Shallows (12 Point)
1	Std. 7/16 - 1 1/4 Deepwell (6 Point)
1	Metric Shallow Set 12 - 32 mm (6 Point)
	WRENCHES
1	Polished Combination Wrench Set 1/4 - 1 1/4
1	Polished Metric Combination Wrench Set 6mm - 24mm.
1	Flair Nut Wrench Set 3/8 - 7/8
1	Flair Nut Wrench Set Metric 6mm - 24mm
1	6" Adjustable Wrench
1	12" Adjustable Wrench
1	14" Pipe Wrench
1	Hex Key Wrench Set Std. 0.050" - 3/8"
1	Hex Key Wrench Set Metric 2mm - 12mm
	PLIERS
1	7" Diagonal Pliers
1	10" Water Pump Pliers
1	6" Needle Nose Pliers
1	6" Slip Joint Pliers
1	Wire Pliers (Strippers-Crimpers)
1	Lock Ring Pliers
1	Combination Snap Ring Pliers
1	10" Curved Jaw Vise Grips
	PUNCH CHIESELS
1	Pin Punch Set (3/32 - 3/8)
1	5 Piece Cold Chisel Set (1/4 - 3/4)
1	4 Piece Starting Punches (1/8 - 3/8)
1	6" Diamond Point Chisel
1	6" Cape Point Chisel
1	Aligning Punch Set
1	2 Center Punches
1	Brass Drift 3/4" x 10 or 12 in.
1	O-Ring Pick Set



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	CUTTING
1	Heavy Duty Scissors
1	High Tension Hack Saw
1	12" Flat File with Molded Handle
1	12" Round File with Molded Handle
1	12" Triangle File with Molded Handle
1	12" Half Round File with Molded Handle
1	1 1/2" A114Single Heavy Blade Gasket Scraper
1	90 Degree Angle Head Die Grinder Set with Surface Prep Set
1	Inch and Metric Master Rethreading Set (Craftsman 0942275)
	HAMMERS
1	4 oz. Ball Pein Hammer
1	16 oz. Ball Pein Hammer
1	32 oz. Dead Blow Hammer
1	3 lb. Cross Pein Hammer
	SCREWDRIVERS
1	5 Piece Straight Blade Screwdriver Set
1	5 Piece Phillips Bit Screwdriver Set
1	20" Rolling Head Pry Bar
1	24" Pinch Bar, 3/4 Diameter, 22 or 24 in. Long
	MEASURING
1	26 Blade Bent Feeler Gauge Set
1	Deluxe Feeler Gauge Set
1	Revised 3-24-16
1	25' Tape Measure
1	0" - 6" Dial Caliper
1	Dual Foot Tire Pressure Gauge
1	Tire Depth Gauge
1	Machinist Ruler
1	Battery Service Kit (Battery Pliers, Terminal Puller, Side Post Cleaner, Clamp Spreader)
1	Safety Glasses and Goggles
1	Hearing Protection
1	Magnetic Pick Up Tool
1	OSHA Approved Rubber Tip Blow Gun



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1	Telescoping 2 1/2" Diameter Mirror
1	Dual Foot Air Chuck
1	Mini Bright Light
1	Fractional Drill Bit Set by 64/ths. To 1/2 inch. (High Speed Steel)
1	Hand Held Trouble light
1	Shoe Style Wire Brush
	AIR CONDITIONING TOOLS
1	Manifold Gauge Set 134A
1	A/C Wrench
1	Thermometer Probe
1	Freon Can Tap
	1/4 inch drive
1	Ratchet
1	Universal Joint
1	2" & 4" Extensions
1	Std. Shallow 6 pt. 3/16 - 9/16
1	Std. Deepwell 6 pt. 3/16 - 9/16
1	Metric Shallow 6pt. 4mm - 13mm
1	Metric Deepwell 6pt 4mm - 13mm
	Miscellaneous
1	Roll Pin Punch Set
1	Bearing Punch
1	6" Rolling Head Pry Bar
1	Seal Puller
1	4 Piece Pry Bar Set
1	3/8" Dr. Torque Wrench
1	3/8" Dr. Hex Socket Set (1/8" - 3/8")
1	3/8" Dr. Impact Driver Set
1	1/2" Dr. Deepwell Chrome (10mm - 27mm)
1	Adapter Set 6 Piece
1	3/4" Heavy Duty Drive Set (1 1/4, 1 5/16, 1 5/8, 1 7/16, 1 1/2)
1	4000# Lifting Eyes
1	16" Adjustable Joint Pliers
1	1/2" Air Impact (Pistol Grip)
1	48 oz. Hand Drilling Hammer



1	Engraver
1	LAPTOP (NO CHROMEBOOK, IPAD, OR MACBOOK)
	Students must purchase a Top Chest and Roll Cab large enough to hold all the listed tools

Vendor Information:

Tools can be purchased from the vendor of your choice.

Estimated Cost:

\$14,000.00 - \$15,000.00

Contact:

Department Chair, Roger Meier
785-738-9046