

TENNESSEE COLLEGE OF APPLIED TECHNOLOGY  
740 High Tech Drive  
Livingston, TN 38570

**DIESEL POWERED EQUIPMENT TECHNOLOGY  
REQUIRED TOOL LIST**

<b>TITLE</b>	<b>APPROXIMATE COST</b>
<ul style="list-style-type: none"><li>● Socket Set 3/8 Drive- 3/8 – 3/4 U.S. Standard Depth (12 point)<ul style="list-style-type: none"><li>3/8 – 3/4 U.S. Deep (6 point)</li><li>10mm – 19mm Metric Standard Depth (6 point)</li><li>10mm – 19mm Metric Deep (6 point)</li><li>Extensions – Short Medium, and Long</li><li>Ratchet Handle</li><li>Universal Joint</li></ul></li><li>▪ Socket Set 1/4 Drive – 3/16” – 1/2” U.S. Standard Depth<ul style="list-style-type: none"><li>3/16” – 1/2” U.S. Deep</li><li>4mm – 13mm Metric Standard Depth</li><li>4mm – 13mm Metric Deep</li><li>Extensions – Short, Medium, and Long</li><li>Ratchet Handle</li><li>Universal Joint</li></ul></li><li>▪ Socket Set 1/2 Drive 1/2 – 1 1/8 Shallow, Impact or Chrome<ul style="list-style-type: none"><li>7/16 – 1 1/8 Deep, Impact or Chrome</li><li>13mm – 32mm Shallow, Impact or Chrome</li><li>13mm – 32mm Deep, Impact or Chrome</li><li>Breaker Bar</li><li>Extensions – Short, Medium and Long</li><li>Ratchet Handle</li><li>Universal Joint</li></ul></li><li>▪ Combination Wrenches – Standard (3/8” – 1”)<ul style="list-style-type: none"><li>Metric (6mm – 19mm)</li></ul></li><li>▪ 1 - Allen Wrench Set – Standard (.050” – 3/8”)</li><li>▪ 1 - Allen Wrench Set – Metric (2mm – 12mm)</li><li>▪ 2 – Flare Nut Wrench Sets – Standard (3/8” – 3/4”)<ul style="list-style-type: none"><li>Metric (7mm – 19mm)</li></ul></li><li>▪ 1 - Wrench Adjustable 3/4 capacity length 6"</li><li>▪ 1 - Wrench Adjustable 1 1/8 capacity length 10"</li><li>▪ 1 - Cold Chisel 1/2" edge</li><li>▪ 1 - Cold Chisel 5/8" edge</li><li>▪ 1 - Cold Chisel 3/4" edge</li><li>▪ 5 - Screwdrivers Torx T10, T15, T20, T25, T30</li><li>▪ 5 - Screwdrivers Blade Type: 1", 6", 9", 12", Offset</li><li>▪ 4 - Screwdrivers Phillips – 1" - #2<ul style="list-style-type: none"><li>6" - #1, #2</li><li>12" - #3</li></ul></li><li>▪ Pliers – Adjustable Joint, Locking Pliers, Needle Nose, Side Cutters, Slip-joint</li><li>▪ 1 – Electrical Pliers – Crimper/Stripper</li><li>▪ Punches – Pin 3/16” – 3/8”<ul style="list-style-type: none"><li>Starter 3/16” – 3/8”</li><li>Aligning Punch Set</li><li>Brass Punch</li><li>Center Punch</li></ul></li><li>▪ 1 - Bar Rolling Wedge 90° 9/16 diameter 16” long – Lady’s Foot Pry bar</li></ul>	

- 3 - Hammer ball peen 12 oz, 16oz, 24oz Soft Face
- 1 – Inspection Mirror (mechanics adjustable)
- 1 - Magnetic pick up with slide extension
- 1 - 3/8 Torque Wrench – 0 – 150 ft. lbs.
- 1 – 3/8 Torque Wrench – 0 – 200 in. lbs.
- 1 – 1/2 Torque Wrench – 25 – 250 ft. lbs.
- 1 – set of 1/2 in. impact sockets
- 1 – set of 3/8 in. impact sockets
- 1 - 90° Angle Die Grinder – Air
- 1 – Digital Multimeter – minimum 10 meg. Ohms impedance
- 1 – Roll-a-Way Tool Box (6 drawer minimum)
- 1 – Flashlight
- 3 - Files and Handles – 12” Fine, 12” Coarse, 12” Half Round
- 1 – Hearing Protection (per OSHA requirements)
- 1 – Scraper – 1” wide or larger
- 1 – Tape Measure (12’)
- 1 – Tire Tread Depth Gauge
- 1 – Tire Pressure Gauge – Truck
- 1 – Wire Brush
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- **Total Estimated Cost: 5,400 (Tax not included)**

A laptop computer and an 8 GB Flash Drive is highly recommended but not required. Tools must be of industrial quality. The following brands have tools that meet industrial standards: Craftsman, NAPA, Snap On, Mac Tools, Matco Tools, Cornwell Tools, SK Tools, Proto Tools, Black Hawk.

### **STUDENT WILL NEED COMPLETE TOOL SET BEFORE ENTERING EMPLOYMENT IN THE DIESEL POWERED EQUIPMENT FIELD**

**Tools must be of Industrial quality. The following brands have tools that meet industrial standards: Craftsman, NAPA, Snap On, Mac Tools, Matco Tools, Cornwell Tools, SK Tools, Proto Tools, and Black Hawk. (NO flea market or low quality tools permitted) Tool box checks will be performed and a check off sheet will be kept on file.**

**Student is required to have complete tool set before entering employment in the diesel powered equipment field.**

**NOTE: This is an estimated cost. Prices are subject to change due price increases.**