

# Heavy Duty Truck, Transit and Equipment Required Materials and Tools

## Required Uniform



Head	Safety glasses/goggles
Top	Advanced Transportation and Manufacturing shop shirt   <b>quantity: 3-5</b>
Bottom	black pants
Footwear	closed toe, closed heel, slip resistant, and oil resistant shoes/boots

## Required Textbooks

<b>ISBN: 128406705X</b>	Fundamental of Medium-Heavy Duty Diesel Engines
<b>ISBN: 1284110583</b>	Fundamentals of Medium/Heavy Duty Commercial Vehicle Systems, Fundamentals of Medium/Heavy Duty Diesel Engines, and 2 Year Access to MHT ONLINE

## Recommended

Laptop or tablet

## General Tools List

TOOL	TOOL DETAIL
<input type="checkbox"/> Adjustable Pliers	10" Channellocks
<input type="checkbox"/> Adjustable Wrench	10" Crescent
<input type="checkbox"/> Ball Peen Hammer	Size: 24 oz.
<input type="checkbox"/> Bar, rolling head	Size: 18"
<input type="checkbox"/> Center punch	Size: 1/2" x 4-1/2"
<input type="checkbox"/> Cold Chisel,	Size: 5/8" cut
<input type="checkbox"/> Combination Wrench	Size: 20mm   12 pt.
<input type="checkbox"/> Combination Wrench	Size: 21mm   12 pt.
<input type="checkbox"/> Combination Wrench	Size: 22mm   12 pt.
<input type="checkbox"/> Combination Wrench	Size: 23mm   12 pt.
<input type="checkbox"/> Combination Wrench	Size: 24mm   12 pt.
<input type="checkbox"/> Combination Wrench Set	Sizes: 3/8"-1"
<input type="checkbox"/> Combination Wrench Set	Sizes: 7mm-22mm
<input type="checkbox"/> Common Pliers	Sizes: 6"
<input type="checkbox"/> Diagonal Cutters	Sizes: 6"
<input type="checkbox"/> Feeler Gage	Sizes: .0015 - .035"
<input type="checkbox"/> Flashlight	
<input type="checkbox"/> Hacksaw w/ 2x hacksaw w/ 2 blades	
<input type="checkbox"/> Mill File w/handle	
<input type="checkbox"/> Needle Nose, Pliers	Sizes: 6"
<input type="checkbox"/> Nylon parts cleaning brush	
<input type="checkbox"/> Pin Punch Set	
<input type="checkbox"/> Ratchet & 3" & 6" Extensions	3/8" drive
<input type="checkbox"/> Safety Glasses	
<input type="checkbox"/> Screwdriver	Size: 4" Blade Phillips #1
<input type="checkbox"/> Screwdriver	Size: 4" Blade Phillips #2
<input type="checkbox"/> Screwdriver	<b>Size: 4"</b> flat blade
<input type="checkbox"/> Screwdriver	<b>Size: 6"</b> flat blade
<input type="checkbox"/> Screwdriver	<b>Size: 8"</b> flat blade
<input type="checkbox"/> Screwdriver	<b>Size: 10"</b> flat blade
<input type="checkbox"/> Shallow Socket Set (13 piece)	3/8" drive   Sizes: 1/4"-1"
<input type="checkbox"/> Shallow Socket Set (16 piece)	1/2" drive   Sizes: 9mm-24mm
<input type="checkbox"/> Shallow Socket Set (9 piece)	1/2" drive   Sizes: 1/2"-1"
<input type="checkbox"/> Shallow Socket Set (14 piece)	3/8" drive   Sizes: 6mm-19mm

TOOL	TOOL DETAIL
<input type="checkbox"/> Soft Face Hammer	Size: 24 oz.
<input type="checkbox"/> Steel Rule w/Pocket Clip	Sizes: 6"
<input type="checkbox"/> Tool Cart (unassembled)	
<input type="checkbox"/> Torque Wrench	1/2" drive
<input type="checkbox"/> Trigger Type Oil Can	
<input type="checkbox"/> Vise-Grip	Size: 10" Straight Jaws
<input type="checkbox"/> VOM, Auto-Ranging	

## Specialty Tools | First and Second Semesters

### DIESLTK 112A | Heavy Duty Maintenance Shop Practices

### DIESLTK 112B | Heavy Duty Engine Fundamentals

### DIESLTK 112C | Heavy Duty Electrical Systems

TOOL	TOOL DETAIL
<input type="checkbox"/> Clipboard	
<input type="checkbox"/> Digital Calipers	Size: 6"
<input type="checkbox"/> Extensions	1/2 Drive   Size: 3" and 6"
<input type="checkbox"/> Micrometer	Size: 0-1"
<input type="checkbox"/> Ratchet	1/2 Drive

### DIESLTK 122A | Heavy Duty Fuel Injection Systems

### DIESLTK 122B | Heavy Duty Hydraulics

### DIESLTK 122C | Heavy Duty Heating, Ventilation, and Air Conditioning (HVAC)

TOOL	TOOL DETAIL
<input type="checkbox"/> Master Torx Set with Hex Socket Bits (36 Piece)	
<input type="checkbox"/> Magnetic Pick-Up Tool	
<input type="checkbox"/> Snap ring plier set	

## Specialty Tools | Third and Fourth Semesters

### DIESLTK 132A | Heavy Duty Transmission

### DIESLTK 132B | Air Brake Systems

### DIESLTK 132C | Heavy Duty Suspension and Steering Systems

TOOL	TOOL DETAIL
<input type="checkbox"/> Air Pressure Gauge	Size: 1/4" Bottom Back, 0-160 PSI
<input type="checkbox"/> Impact socket set	1/2" drive   Sizes: 7/16" - 1"
<input type="checkbox"/> Magnetic Angle Finder	
<input type="checkbox"/> Pry Bars (8-piece set)	
<input type="checkbox"/> Snap ring plier set	

### DIESLTK 142A | Heavy Duty Engine Overall

### DIESLTK 142B | Electronic Engine Controls

### DIESLTK 142C | Heavy Duty Emissions Systems

TOOL	TOOL DETAIL
<input type="checkbox"/> Breaker Bar	3/4" drive
<input type="checkbox"/> Jake Brake Bolt Socket	Size: 12mm   12pt.
<input type="checkbox"/> Ratchet	3/4" drive
<input type="checkbox"/> Six point Socket Imp.	1/2 drive   Size: 36mm

## DIESLETK 265 Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG) Fuel & Electronic Controls

TOOL	TOOL DETAIL
<input type="checkbox"/> Air Pressure Gauge	Size: 1/4" Bottom Back, 0-160 PSI
<input type="checkbox"/> Impact socket set	1/2" drive   Sizes: 7/16" - 1"
<input type="checkbox"/> Magnetic Angle Finder	
<input type="checkbox"/> Pry Bars (8-piece set)	
<input type="checkbox"/> Snap ring plier set	