



# Diesel Powered Equipment Technology

The Diesel Powered Equipment Technology program provides students with the technical instruction and skill development to enable students to enter employment in truck, construction, agricultural equipment, and other related fields as technicians. By working in the diesel equipment shop and on actual diesel powered equipment, students are well prepared to enter the workforce after graduation. The Diesel Powered Equipment Technology program is accredited by the National Automotive Technicians Education Foundation (NATEF).

Program/Location	Length	Days	Time
Day Program/ Knoxville Campus	20 Months	Monday-Friday	8:00am—2:30 pm
Night Program/Knoxville Campus	20 Months	Monday-Friday	3:30 pm—10:00 pm

Curriculum/Courses	Completion Award	Required Hours
DPE 0001 Worker Characteristic	Preventative Maintenance Service Technician	Certificate 432
DPE 1010 Orientation		
DPE 1020 Safety	Diesel Engine Assembler	Certificate 864
DPE 1030 General Shop Skills		
DPE 1040 Preventative Maintenance	Diesel Technician Apprentice	Certificate 1296
DPE 1050 Basic Diesel Theory		
DPE 0002 Worker Characteristic	Diesel Technician Assistant	Certificate 1728
DPE 2010 Diesel Engine Mechanical		
DPE 0003 Worker Characteristic	Diesel Technician	Diploma 2160
DPE 3010 Basic Electricity & Electronic		
DPE 3020 Electronic Diesel Engine Ctrl		
DPE 0004 Worker Characteristic		
DPE 4010 Brakes		
DPE 4020 Suspension and Steering		
DPE 4030 Hydraulics		
DPE 0005 Worker Characteristic		
DPE 5010 Drive Trains		
DPE 5020 Heating Ventilation & AC		

**Placement Rate for 2017 = 86%**

### Typical Job Opportunities

Heavy Vehicle Mechanic  
Brake Mechanic  
Engine Mechanic  
Drive Line Mechanic  
Accessories Installer

## HOW TO APPLY

*All Documents Must be Presented Together to Apply*

- ⇒ Complete the **Free Application For Federal Student Aid (FAFSA)** online – the website is [www.fafsa.ed.gov](http://www.fafsa.ed.gov) and our school code is 004025.
- ⇒ Complete **TCAT Knoxville Application for Enrollment** online at <https://apply.tbr.edu/?tcat=knoxville>



## Diesel Powered Equipment Technology

### Book, Tool, and Supply List

1st Trimester			
Tuition	Cost		Total
Tuition*	\$1,169.00		
Technology Access Fee*	\$ 67.00		
Student Activity Fee*	\$ 10.00		
ASE Exam and Registration Fee	\$ 118.00		
OSHA 10 Training	\$ 25.00		
<b>TOTAL</b>			<b>\$1,389.00</b>

Book	ISBN	Cost	Required	
CDX Medium/Heavy Duty Diesel System Bundle (includes below)	9781284110586	\$ 465.00		
<i>CDX Fundamentals of Medium/Heavy Diesel Engines</i>	9781284067057		x	
<i>CDX Fundamentals of Medium-Heavy Commercial Vehicle</i>	9781284041163		x	
<i>CDX Access Code Medium/Heavy (2 year access), 2014 NATEF ed</i>	9781284067309		x	
<b>TOTAL</b>				<b>\$465.00</b>

Supplies	Needed By	Cost	Required	
5 Dark Navy Blue Work Pants	First day of class	\$ 100.00	x	
5 Dark Navy Blue Long and/or short Sleeve Work Shirts	First day of class	\$ 100.00	x	
1 Short Dark Navy Blue Jacket with Pocket	First day of class	\$ 35.00	x	
Black or Brown Belt	First day of class	\$ 20.00	x	
Safety Toe Work Boots (oil resistant)	First day of class	\$ 140.00	x	
Safety Glasses (side panels)	First day of class	\$ 10.00	x	
<b>TOTAL</b>				<b>\$405.00</b>

2nd Trimester			
Tuition	Cost		Total
Tuition*	\$1,169.00		
Technology Access Fee*	\$ 67.00		
Student Activity Fee*	\$ 10.00		
ASE Exam and Registration Fee	\$ 118.00		
<b>TOTAL</b>			<b>\$1,364.00</b>

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Tools	Needed By	Required
1 Metric Allen Wrench Set 2mm-12mm	by 2nd trimester	x
1 Standard Allen Wrench Set .050"-3/8" (7/16"-1/2" optional)	by 2nd trimester	x
Cold Chisels 1/2", 5/8", & 3/4" Edges	by 2nd trimester	x
Electrical Crimper/Stripper Pliers	by 2nd trimester	x
Adjustable Joint Pliers	by 2nd trimester	x
Locking Pliers	by 2nd trimester	x
Needle Nose Pliers	by 2nd trimester	x
Side Cutter Pliers	by 2nd trimester	x
Slip-joint Pliers	by 2nd trimester	x
3/16"-3/8" Pin Punch	by 2nd trimester	x
3/16"-3/8" Starter Punch	by 2nd trimester	x
Aligning Punch Set	by 2nd trimester	x
Brass Punch	by 2nd trimester	x
Center Punch	by 2nd trimester	x
3/8"-3/4" Standard Flare Nut Wrench	by 2nd trimester	x
7mm-19mm Metric Flare Nut Wrench	by 2nd trimester	x
1" Phillips Screwdriver #2	by 2nd trimester	x
6" Phillips Screwdrivers #1 and #2	by 2nd trimester	x
12" Phillips Screwdriver #3	by 2nd trimester	x
16" Rolling Wedge Bar 90° 9/16" Diameter (Lady's Foot Pry Bar)	by 2nd trimester	x
3 Ball Pein Soft Face Hammers, 12 oz, 16 oz, & 24 oz	by 2nd trimester	x
Mechanics Adjustable Inspection Mirror	by 2nd trimester	x
Magnetic Pick Up with Side Extension	by 2nd trimester	x
Digital Multimeter (Minimum 10 Meg/Ohm Impedance)	by 2nd trimester	x
Roll-a-Way Tool Box with Complete Top & Bottom (6 drawer mini)	by 2nd trimester	x
3 Files with Handles, 12" Fine, 12" Coarse, & 12" Half Round	by 2nd trimester	x
<b>Socket Set 3/8" Drive</b>	by 2nd trimester	
3/8"-3/4" US Shallow Depth (12 pt)	by 2nd trimester	x
3/8"-3/4" US Deep (6 pt)	by 2nd trimester	x
10mm-19mm Metric Shallow (12 pt)	by 2nd trimester	x
10mm-19mm Metric Deep (6 pt)	by 2nd trimester	x
Short, Medium, & Long Extensions	by 2nd trimester	x
Ratchet Handle	by 2nd trimester	x
Universal Joint	by 2nd trimester	x
<b>Socket Set 1/4" Drive</b>	by 2nd trimester	
3/16"-9/16" US Shallow	by 2nd trimester	x
3/16"-9/16" US Deep	by 2nd trimester	x
4mm-15mm Metric Shallow	by 2nd trimester	x
4mm-15mm Metric Deep	by 2nd trimester	x
Short, Medium, & Long Extensions	by 2nd trimester	x
Ratchet Handle	by 2nd trimester	x
Universal Joint	by 2nd trimester	x
<b>Socket Set 1/2" Drive</b>	by 2nd trimester	
7/16"- 1 1/4" Shallow, Impact	by 2nd trimester	x
7/16"-1 1/4" Deep, Impact	by 2nd trimester	x
10mm-27mm Shallow, Impact	by 2nd trimester	x
10mm-27mm Deep, Impact	by 2nd trimester	x
Short, Medium, & Long Extensions	by 2nd trimester	x

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Breaker Bar	by 2nd trimester	x	
Ratchet Handle	by 2nd trimester	x	
Universal Joint	by 2nd trimester	x	
<b>Proto Tools Blackhawk</b>	by 2nd trimester		
Combination Wrenches Standard 3/8-1-1/4" & Metric 6mm-25mr	by 2nd trimester	x	
1 Scrapper 1" Wide or Larger	by 2nd trimester	x	
6 Torx Screwdrivers T10, T15, T20, T25, T27 & T30	by 2nd trimester	x	
5 Blade Screwdrivers 1", 6", 9" 12", & Offset	by 2nd trimester	x	
Hacksaw	by 2nd trimester	x	
25' Tape Measure	by 2nd trimester	x	
<b>TOTAL</b>			<b>\$1,900.00</b>

### 3rd Trimester

Tuition	Cost		Total
Tuition*	\$1,169.00		
Technology Access Fee*	\$ 67.00		
Student Activity Fee*	\$ 10.00		
ASE Exam and Registration Fee	\$ 118.00		
<b>TOTAL</b>			<b>\$1,364.00</b>

### 4th Trimester

Tuition	Cost		Total
Tuition*	\$1,169.00		
Technology Access Fee*	\$ 67.00		
Student Activity Fee*	\$ 10.00		
ASE Exam and Registration Fee	\$ 118.00		
<b>TOTAL</b>			<b>\$1,364.00</b>

### 5th Trimester

Tuition	Cost		Total
Tuition*	\$1,169.00		
Technology Access Fee*	\$ 67.00		
Student Activity Fee*	\$ 10.00		
ASE Exam and Registration Fee	\$ 118.00		
<b>TOTAL</b>			<b>\$1,364.00</b>

Miscellaneous Cost	Cost	Required	
Graduation Supplies	\$ 40.00	x	
<b>TOTAL</b>			<b>\$ 40.00</b>
<b>TOTAL PROGRAM COST</b>			<b>\$9,655.00</b>

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