

## Diesel Mechanics

#REF!



**CIP CODE 47.0605**

Diesel service technicians and mechanics inspect, repair, or overhaul buses, trucks, and anything else with a diesel engine. Diesel mechanics handle many kinds of repairs. They may work on a vehicle's electrical system, make major engine repairs, or retrofit engines with emission control systems to comply with pollution regulations. Diesel engine maintenance is becoming increasingly complex as engines and other components use more electronic systems to control their operation. In addition to computerized diagnostic equipment, diesel mechanics use a variety of power and machine tools; such as, pneumatic wrenches, lathes, grinding machines, and welding equipment. Handtools including pliers, wrenches, and screwdrivers, are also commonly used. Diesel service technicians and mechanics may work on a vehicle's electrical system, make major engine repairs, or retrofit engines with emission control systems to comply with pollution regulations.

Part 1: Diesel Technician may be hired as mechanics working on engines, automatic transmissions, drive trains, electrical systems, suspension and steering, hydraulics, and air systems. They work on heavy equipment, farm equipment, and on highway trucks. Diesel mechanics diagnose, repair, weld, and fine-tune the working parts of buses, trucks, construction machinery, and generators. Students will become proficient in basic shop skills, PM inspections, brake relines, engine tune-up and rebuilding, component inspection and measuring, drive trains, suspension and steering, and electrical trouble shooting.

Part 2: Diagnostics and Repair - In this course you will be doing real hands on diagnostic and repair in a shop environment. You will be working on various that will cover the following: Steering and Suspension, Electrical, Electronics, Engines and Drive Train. You are welcome to bring in your own project. Project needs to pertain to the Heavy Duty Diesel Mechanic or the Diesel Mechanic industry and be approved by the instructor. you do not need to have a project vehicle to sign up for the class

OUTCOMES	Delivery Method	DE/DE - (min 8 - max 18)
MATC Diesel Mechanicse Program Certificate	Enrollment Availability	Adults and HS Seniors (10/18)
	Financial Aid Available	Yes
	VA Qualified	Yes

### PREREQUISITES

#REF!

All students must have a valid drivers license.

SECTION	LOCATION	ROOM	START DATE	END DATE	START TIME	END TIME	DAYS	INSTRUCTOR	NOTES
	Fall 2017	Spanish Fork	Auto Bldg	8/22/2017	5/24/2018	7:30 AM	10:30 AM	M-F	Nathan Collings
	Fall 2017	Spanish Fork	Auto Bldg	8/22/2017	5/24/2018	11:45 AM	2:45 PM	M-F	Nathan Collings
	Fall 2017	Spanish Fork	Auto Bldg	8/22/2017	5/24/2018	5:30 PM	9:15 PM	M-TH	Sean Miller
	Fall 2018	Spanish Fork	Auto Bldg	8/20/2018	5/23/2019	7:30 AM	10:30 AM	M-F	Nathan Collings
	Fall 2018	Spanish Fork	Auto Bldg	8/20/2018	5/23/2019	11:45 AM	2:45 PM	M-F	Nathan Collings
	Fall 2018	Spanish Fork	Auto Bldg	8/20/2018	5/23/2019	5:30 PM	9:15 PM	M-TH	Sean Miller

TUITION /FEES	COST	NOTES
Registration Fee	#REF!	#REF!
Facilities Fee	#REF!	
Program Fees	\$345.00	#REF!
Tuition	#REF!	
<b>Total Tuition and Fees</b>	<b>#REF!</b>	<b>#REF!</b>

REQUIRED PROGRAM MATERIALS	COST	NOTES
Textbook	\$100.00	Fundamentals of Medium/Heavy Duty Commercial Vehicle Systems ISBN: 978-1-284-04116-3
Student Workbook	\$41.00	Fundamentals of Medium/Heavy Duty Commercial Vehicle Systems Workbook ISBN: 978-1-284-091481-9
Safety Glasses	\$10.00	
Tool Kit	\$300.00	
<b>Total</b>	<b>\$451.00</b>	

OPTIONAL PROGRAM MATERIALS	COST	NOTES
<b>Total</b>	<b>\$0.00</b>	

PROGRAM COMPONENTS	LAB	LECTURE	HYBRID	TOTAL	NOTES
<b>Diagnostics and Repair</b>					
Steering & Suspension	9	3		12	

