

Diesel Medium/Heavy Truck Technology

General description: The Diesel Medium/Heavy Truck Technology program prepares students for entry-level positions and career advancement in the diesel truck industry. The maintenance and repair of the modern, more sophisticated diesel engines require highly-skilled mechanics. This program provides students with the knowledge and skills needed to analyze, diagnose, maintain, and repair a variety of vehicular concerns related to diesel trucks, diesel driveability diagnosis, and the following diesel systems: electrical, fuel & emissions, engine & transmission, heating & air conditioning, drive train, suspension & steering, and brakes. Advanced diagnostic, maintenance, and repair tools are introduced. Students pursuing the AAS degree will gain real-world experience through internship opportunities in various shop environments.

This is a career and technical education program. Some of the courses may not transfer to four-year institutions.

Sample of Job titles for this Degree: Senior Heavy Truck Technician, Steering & Suspension Specialist, Drive train Specialist, HVAC Specialist, Engine Repair Specialist, Performance Specialist, Transmission Specialist, Service Specialist.

Suggested Full-Time Course Sequence:

<u>Fall Semester</u>	<u>Credit Hours</u>
DMHT 101	4
DMHT 110	4
DMHT 120	4
ENGL 105 (or ENGL 110)	3

<u>Spring Semester</u>	
DMHT 115	4
DMHT 125	4
DMHT 130	4
DMHT 135	4

<u>Summer Semester</u>	
DMHT 200	4

<u>Fall Semester</u>	
DMHT 210	4
DMHT 211	4
COMM 120 (or COMM 101)	3
P REL100	3

<u>Spring Semester</u>	
DMHT 212	4
DMHT 290	3
PHYS 115	3
General Education Elective	3

Additional Program Information:

Students who begin in Spring may not finish in a two-year time frame.

Diesel Medium/Heavy Truck Courses		Credit Hours	Diesel Medium/Heavy Truck Technology AAS 1000	Senior Diesel Tech. Cert. 100H	Steering & Suspension Specialist Cert. 100G	Diesel Drive Train Specialist Cert. 100F	Diesel HVAC Specialist Cert. 100E	Diesel Engine Rebuilder Cert. 100D	Diesel Performance Specialist Cert. 100C	Diesel Transmission Specialist Cert. 100B	Diesel Service Tech. Cert. 100A
COMM 120	Business & Professional Speaking (or COMM 101)	3	X								
DMHT 101	Truck Preventative Maintenance	4	X	X	X	X	X	X	X	X	X
DMHT 110	Basic Electrical Systems	4	X	X	X	X	X	X	X	X	X
DMHT 115	Advanced Electrical Systems	4	X	X					X		
DMHT 120	Diesel Fuel and Emissions	4	X	X					X		
DMHT 125	Diesel Drivability Diagnosis	4	X	X					X		
DMHT 130	Diesel Engine Repair	4	X	X							
DMHT 135	Diesel Truck Transmissions	4	X	X		X		X		X	
DMHT 200	Medium/Heavy HVAC	4	X	X			X				
DMHT 210	Truck Steering, Suspension & Alignment	4	X	X							
DMHT 211	Truck Drive Train System	4	X	X	X	X					
DMHT 212	Medium/Heavy Truck Brakes	4	X	X	X						
DMHT 290	Diesel Truck Internship	3	X								
ENGL 105	Technical Writing in the Workplace (or ENGL 110)	3	X								
P REL 100	Human Relations	3	X								
PHYS 115	Technical Physics	3	X								
General Education Elective		3	X								
Total Hours			62	44	16	16	12	12	20	12	8