

Gateway S.M.A.R.T. Plan

Certificates: Diesel Technology

I understand that if I have prior felony/criminal convictions, or have points on my driver's license, or no license, that it may be difficult to find employment in the transportation field. I do understand that there may be course changes with future curriculum revisions that may affect a change in course requirements listed on this sheet.

Diesel Engine Mechanic: 17 Total Credit Hours

Courses	Cr	Grade	Offered
DIT 110 Introduction to Diesel Engines	3		Fall
or ADX 150 Engine Repair	3		Fall
DIT 111 Introduction to Diesel Engines Lab	2		Fall
or ADX 151 Engine Repair Lab	2		Fall
DIT 112 Diesel Engine Repair	3		Fall
DIT 113 Diesel Engine Repair Lab	2		Fall
Electives (Diesel Courses/Industrial Education Core) EX: DIT 103 Preventive Maintenance Lab	2		Fall

Diesel Steering & Suspension Mechanic: 12 Total Credit Hours

Courses	Cr	Grade	Offered
DIT 160 Steering and Suspension	3		
DIT 161 Steering and Suspension Lab	2		
Electives (Diesel Courses/Industrial Education Core)	7		

Electrical/Electronics Systems Mechanic: 12 Total Credit Hours

Courses	Cr	Grade	Offered
ADX 120 Basic Automotive Electricity	3		Spring
ADX 121 Basic Automotive Electricity Lab	2		Spring
ADX 260 Electrical Systems	3		Spring
ADX 261 Electrical Systems Lab	2		Spring
Electives (Diesel Courses/Industrial Education Core) Ex: DIT 103 Preventive Maintenance Lab	2		Spring

Fluid Power Mechanic: 17 Total Credit Hours

Courses	Cr	Grade	Offered
FPX 100 Fluid Power	3		
or DIT 140 Hydraulics	3		
FPX 101 Fluid Power Lab	2		
or DIT 141 Hydraulics Lab	2		
Electives (Diesel Courses/Industrial Education Core)	7		

Heavy Duty Brake Mechanic: 12 Total Credit Hours

Courses	Cr	Grade	Offered
DIT 180 Brakes	3		
DIT 181 Brakes Lab	2		
Electives (Diesel Courses/Industrial Education Core)	7		

Heavy Duty Drive Train Mechanic: 12 Total Credit Hours



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Courses	Cr	Grade	Offered
DIT 150 Power Trains	3		
DIT 151 Power Trains Lab	2		
Electives (Diesel Courses/Industrial Education Core)	7		

Medium and Heavy Truck Mechanic Helper: 35 Total Credit Hours

Courses	Cr	Grade	Offered
ADX 120 Basic Automotive Electricity and	3		
ADX 121 Basic Automotive Electricity Lab	2		
ADX 150 Engine Repair	3		
or DIT 110 Introduction to Diesel Engines	3		
ADX 151 Engine Repair Lab	2		
or DIT 111 Introduction to Diesel Engines Lab	2		
ADX 260 Electrical Systems and	3		
ADX 261 Electrical Systems Lab	2		
DIT 112 Diesel Engine Repair and	3		
DIT 113 Diesel Engine Repair Lab	2		
DIT 160 Steering and Suspension	3		
DIT 161 Steering and Suspension Lab	2		
DIT 180 Brakes	3		
DIT 181 Brakes Lab	2		

Mobile Air Conditioning Mechanic: 12 Total Credit Hours

Courses	Cr	Grade	Offered
ADX 170 Climate Control	3		Fall
ADX 171 Climate Control Lab	1		Fall
Electives (Diesel Courses/Industrial Education Core)	8		Fall/Spring

Preventive Maintenance Mechanic: 13 Total Credit Hours

Courses	Cr	Grade	Offered
DIT 103 Preventive Maintenance Lab	2		Fall/Spring
Electives (Diesel Courses/Industrial Education Core)	11		Fall/Spring

Notes

- Progression in the program is contingent upon achievement of a grade of C or greater in each technical course and maintenance of a 2.0 cumulative GPA or above (on a 4.0 scale).
- At least 25 percent of the approved curriculum for any certificate, diploma or degree must be completed at the student's home college

Updated 4/23/20

