



PATHWAYS



General Technology Diesel

Associate in Applied Science / Certificate / STC / Certifications
Traditional or By Distance Options Available

Full Time	Course Prefix	Course Description	Credit Hours	Semesters Offered	Area
Semester 1	DEM 123	Pneumatics and Hydraulics	3	Fa Sp Su	Required V
	DEM 105	Preventive Maintenance	3	Fa Sp Su	Required V
		NC3 525 Multi Meter Certification			
	DEM 122	Heavy Vehicle Brakes	3	Fa Sp Su	Required V
		NC3 PMI Tape and Rule Measurement Certification			
	DEM 130	Electrical/Electronic Fundamentals	3	Fa Sp Su	Required V
		NC3 Battery, Starting, Charging Certification			
DEM 135	Heavy Vehicle Steering and Suspension	3	Fa Sp Su	Required V	
	NC3 Torque Theory Certification				
ORI 110	Freshman Seminar	1	Fa Sp Su	Required IV	
Semester 2	DEM 104	Basic Engines	3	Fa Sp Su	Required V
		NC3 PMI 5 Micrometer Measurement Certification			
		NC3 PMI 2 Slide Caliper Measurement Certification			
	DEM 124	Electronic Engine Systems	3	Fa Sp Su	Required V
		NC3 ProLink IQ Ultra Certification			
	DEM 126	Advanced Engine Analysis	3	Fa Sp Su	Required V
		NC3 PMI 3 Gage Measurement Certification			
	DEM 127	Fuel Systems	3	Fa Sp Su	Required V
DEM 139	DEM 139 Diesel Emissions & After Treatment Sys	3	Fa Sp Su	Required V	
ENG 101	English Composition I	3	Fa Sp Su	Required I	
Semester 3	IDS 102	Ethics in Technology	3	Fa Sp Su	Required II
	DEM 154	Vehicle Maintenance and Safe Operating Practices	3	Fa Sp Su	Required V
	DEM 156	CDL License Preparation	3	Fa Sp Su	Required V
		Commercial Driver's License Certification			
	DEM 137	Heating, Air Conditioning/Refrigeration Systems	3	Fa Sp Su	Required V
		MACS HVAC Certification			
DEM 234	Diesel Electronic Systems (Cab/Chassis)	3	Fa Sp Su	Required V	

		NC3 604 Multi Meter Certification NC3 Repair Connect- Diesel IQ Ultra Certification			
	MTH 116	Mathematical Applications	3	Fa Sp Su	Required III
Semester 4	DEM 125	Heavy Vehicle Drive Trains	3	Fa Sp Su	Required V
		OSHA 10 Certification			
		NC3 PMI 4 Angle Measurement Certification			
	DEM 118	Industrial and Agricultural Equipment	3	Fa Sp Su	Required V
		NC3 PMI 6 Dial Gage Measurement Certification			
BIO 103	Principles of Biology I	4	Fa Sp Su	Required III	
HIS 101	Western Civilization I	3	Fa Sp Su	Required IV	
General Diesel Technology Option I Applications AAS Total Hours 65					
Certifications Offered					
Diesel Technology Certificate Total Hours 55					
Preventative Maintenance Short-Term Certificate Total Hours 12					
Diesel Engine Specialist Short-Term Certificate Total Hours 12					

Rental Equipment Technician Short-Term Certificate Total Hours 12					
Standalone STC Option	DEM	Intro to Rental Equipment Repair	3	As Needed	Required V
	DEM	Equipment Hydraulics I	3	As Needed	Required V
	DEM	Equipment Hydraulics II	3	As Needed	Required V
	DEM	Equipment Electrical / Electronic Concepts	3	As Needed	Required V