

Diesel Technology Curriculum

#	First Semester			
	Course	Credits		
105	Diesel Shop Safety	1		
110	Diesel Service Fundamentals	3		
115	Diesel Engine, Electrical, and Drive Train Components and Systems Preventive Maintenance	3		Pre Req – 105, 110
120	Diesel Vehicle Brake, Suspension & Steering, and Cab Components Systems Preventive Maintenance	2		Pre Req – 105, 110
125	Diesel Fuel and Supply Systems	3		Pre Req – 105, 110
	CIS 111 Intro to Computers		3	
	MATH 126 Technical Math I		3	
	Total	12	6	
	Second Semester			
150	Diesel Engine Technology	4		Pre Req - 115
155	Diesel Engine Lab	3		Pre Req - 115
160	Basic Electricity	3		Pre Req – 105, 110
165	Introduction to Hydraulics	3		Pre Req – 105, 110
	Math 132 Elementary Geometry or Math 136 Technical Math II		3	
	English 106 English Composition		3	
	Total	13	6	
	Third Semester			
205	Diesel Engine Electronic Fuel Systems, Operation and Diagnostics	3		Pre Req - 160
210	Vehicle Electronic Operation, Diagnostics, and Troubleshooting	3		Pre Req - 160
215	Medium and Heavy-Duty Brake Systems	4		Pre Req - 120
220	Diesel Equipment HVAC	3		Pre Req - 120
225	ENG 216 Technical Report Writing or ENG 221 Public Speaking		3	
	Physics 106 Physics for everyday Life		3	
	Total	13	6	
	Fourth Semester			
250	Manual, Automatic/Autoshift Transmission	4		Pre Req - 115
255	Steering, Suspension, Alignment	3		Pre Req - 120
265	Basic Welding and Fabrication	3		Pre Req – 105, 110
266	Diesel Equipment Drive Train	3		Pre Req - 115
	HEAL 106 or 111		1	
	General Studies Elective		3	
	Humanities Elective		3	
	Total	13	7	
	Course total credits	51	25	Total Credits 76