

**PROGRAM PLANNING GUIDE**

**DIESEL AND HEAVY EQUIPMENT  
A60460**

Replaces Curriculum Schedule with Revision Date: FA2013

Date Revised: FA2014

**CURRICULUM BY SEMESTER**

Course No.			Course Title			Hours Per Week		
						Class	Lab	Credits
Fall Semester 1								
TRN	170	PC Skills for Transportation	1	2	2			
TRN	120	Basic Transportation Electricity	4	3	5			
TRN	120A	Basic Transportation Electricity Lab	0	3	1			
TRN	140	Transportation Climate Control	1	2	2			
TRN	110	Introduction to Transport Technology	1	2	2			
ENG	110	Freshman Composition	3	0	3			
		Major Elective 1	-	-	2			

Spring Semester 1								
HET	110	Diesel Engines	3	9	6			
HET	233	Suspension and Steering	2	4	4			
PHY	121	Applied Physics I	3	2	4			
		Major Elective 2	-	-	2			

Summer Semester 1								
		Major Elective 3	-	-	2			

Fall Semester 2								
HET	114	Power Trains	3	6	5			
HYD	134	Hydraulics/Hydrostatic Construction	2	4	4			
HET	231	Medium/Heavy Duty Brake Systems	1	3	2			
HET	232	Medium/Heavy Duty Brake Systems Lab	0	3	1			
COM	120	Intro to Interpersonal Communication	3	0	3			
PSY	118	Interpersonal Psychology	3	0	3			

Spring Semester 2								
HET	134	Mechanical Fuel Injection	2	3	3			
PME	211	Adv Equipment Repair	2	6	4			
HET	125	Preventative Maintenance	1	3	2			
HUM	121	The Nature of America	3	0	3			
		Major Elective 1	-	-	4			

<b>Graduation Requirement Credit Hours:</b>								<b>69</b>
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Other work-based learning choices may be available. See your advisor.

Students entering curriculum other than in the first semester or on a part-time basis will select course sequence with assistance from advisor.

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<b>MAJOR ELECTIVES</b>								
<b>Course No.</b>			<b>Course Title</b>			<b>Hours Per Week</b>		
						<b>Class</b>	<b>Lab</b>	<b>Credits</b>
Major Electives 1			Credit Hours Needed:	6				
ELN	110	Survey of Electronics	2	2	3			
ELN	112	Diesel Electronics System	2	6	4			
ELN	113	Electronic Fuel Injection	1	2	2			
HET	115	Electronic Engines	2	3	3			
HET	128	Medium/Heavy Duty Tune Up	1	2	2			
HET	192	Selected topics in HEATT	-	-	2			
Major Electives 2			Credit Hours Needed:	2				
HYD	110	Hydraulics/Pneumatics I	2	3	3			
HYD	111	Mobile Hydraulic Systems	1	4	3			
HYD	112	Hydraulics-Medium and Heavy Duty	1	2	2			
Major Electives 3			Credit Hours Needed:	2				
WBL	111	Work-Based Learning I	0	10	1			
WBL	112	Work-Based Learning I	0	20	2			
WLD	112	Basic Welding Processes	1	3	2			