

**PROGRAM PLANNING GUIDE**

**CONSTRUCTION EQUIPMENT SYSTEMS TECHNOLOGY**

**A60450**

**Replaces Curriculum Schedule with Revision Date: FA2015**

**Date Revised: FA2018**

<b>CURRICULUM BY SEMESTER</b>					
			<b>Hours Per Week</b>		
<b>Course No.</b>	<b>Course Title</b>		<b>Class</b>	<b>Lab</b>	<b>Credits</b>
<b>Fall Semester 1</b>					
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	Intro to Transportation Technology	1	2	2
ENG	110	Freshman Composition	3	0	3
		Major Elective 1			2
<b>Spring Semester 1</b>					
HET	110	Diesel Engines	3	9	6
PME	221	Construction Equipment Servicing	1	2	2
PME	118	Undercarriage Components	1	2	2
MAT	110	Math Measurement & Lit	2	2	3
		Major Elective 2			2
<b>Summer Semester 1</b>					
		Major Elective 3			2
<b>Fall Semester 2</b>					
HET	114	Power Trains	3	6	5
HYD	134	Hydraulic/Hydrostatic Construction	2	4	4
PME	117	Equipment Braking Systems	2	3	3
COM	120	Intro to Personal Communication	3	0	3
PSY	118	Interpersonal Psychology	3	0	3
<b>Completes requirements for Hydraulics, Engines, and Transmission Certificate: C60450BB</b>					
<b>Spring Semester 2</b>					
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>Completes requirements for Fuel Injection, Electrical, and Electronics Certificate: C60450BC</b>					
<b>Completes requirements for Construction Equipment Systems Technology Diploma: D60450</b>					
<b>Graduation Requirement Credit Hours:</b>					<b>68</b>

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>Hours Per Week</b>		
<b>Course No.</b>	<b>Course Title</b>		<b>Class</b>	<b>Lab</b>	<b>Credits</b>
Major Electives 1			Credit Hours Needed:		6
ELN	112	Diesel Electronics System	2	6	4
ELN	110	Survey of Electronics	2	2	3
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	192A	Selected Topics in HEATT	-	-	2
Major Electives 2			Credit Hours Needed:		2
HYD	110	Hydraulics/Pneumatics I	2	3	3
HYD	112	Hydraulics-Medium and Heavy Duty	1	2	2
Major Electives 3			Credit Hours Needed:		2
WBL	111	Worked-based Learning I	0	10	1
WBL	112	Worked-based Learning I	0	20	2
WLD	112	Basic Welding Processes	1	3	2