

PROGRAM PLANNING GUIDE

**AGRICULTURAL SYSTEMS TECHNOLOGY
A60410**

Replaces Curriculum Schedule with Revision Date: FA2015

Date Revised: FA2018

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 Transportation Tech	1	2	2			
ENG	110	Freshman Composition	3	0	3			
HUM	121	The Nature of America	3	0	3			
		Major Elective 1	-	-	2			
Spring Semester 1								
HET	110	Diesel Engines	3	9	6			
HET	134	Mechanical Fuel Injection	2	3	3			
PME	112	Consumer Products	1	2	2			
MAT	110	Math Measurement & Lit	2	2	3			
		Major Elective 2	-	-	2			
Summer Semester 1								
		Major Elective 3	-	-	2			
Fall Semester 2								
HET	114	Power Trains	3	6	5			
HYD	134	Hydraulic/Hydrostatic Construction	2	4	4			
PME	121	Component Controls	1	3	2			
COM	120	Intro to Interpersonal Communication	3	0	3			
PSY	118	Interpersonal Psychology	3	0	3			
Spring Semester 2								
ELN	112	DC/AC Electricity	2	6	4			
PME	122	Agricultural Telematics	2	3	3			
PME	111	Planters & Sprayers	2	6	4			
		Major Elective 1	-	-	4			
Completes requirements for Agricultural Systems Technology Diploma: D60410								
Graduation Requirement Credit Hours:					70			

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MAJOR ELECTIVES					
			Hours Per Week		
Course No.	Course Title		Class	Lab	Credits
Major Electives 1			Credit Hours Needed:		6
PME	211	Adv Equipment Repair	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	192	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