

APPLIED ENGINEERING & TECHNOLOGIES

AGRICULTURAL SYSTEMS TECHNOLOGY

Agricultural Systems Technology Degree - A60410

Agricultural Systems Technology is designed to provide individuals with the knowledge and skills needed to repair agricultural equipment.

The course work includes diesel engines, power trains, hydraulics, electrical systems, and fuel systems. Other topics include time management, inventory, and parts control.

Graduates of the curriculum should qualify for entry-level employment opportunities in a dealership as technicians qualified to be contributing members of the work team.

Agricultural Systems Technology Diploma - D60410

Program Sequence

First Semester

TRN	110	Intro to Transportation Tech	2
TRN	120	Basic Transportation Electricity	5
TRN	120A	Basic Transportation Electricity Lab	1
TRN	140	Transportation Climate Control	2
TRN	170	PC Skills for Transportation.....	2
ENG	110	Freshman Composition	3
HUM	121	The Nature of America	3
Elective List I			2

Second Semester

HET	110	Diesel Engines	6
HET	134	Mechanical Fuel Injection.....	3
PME	112	Consumer Products.....	2
MAT	110	Math Measurement & Lit	3
Elective List II			2

Third Semester

Elective List III			2
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Fourth Semester

HET	114	Power Trains	5
HYD	134	Hyd/Hydrostatic Const.....	4
PME	121	Component Controls	2
COM	120	Intro Interpersonal Com.....	3
PSY	118	Interpersonal Psychology	3

Fifth Semester

ELN	112	DC/AC Electricity	4
PME	111	Planters and Sprayers.....	4
PME	122	Agricultural Telematics	3
Elective List I			4

Complete Agricultural Systems Technology Diploma (D60410): ELN 112, ENG 110, HET 110, HET 114, HET 134, HYD 134, PME 111, PME 112, PME 121, PSY 118, TRN 110, TRN 120, TRN 120A, TRN 140, TRN 170

Elective List I (Select 6 hours from the following courses):

ELN	110	Survey of Electronics.....	3
ELN	113	Electronic Fuel Injection	2
HET	115	Electronic Engines.....	3
HET	128	Med/Heavy Duty Tune-up	2

HET	192	Selected Topics	2
PME	211	Adv Equipment Repair	4

Elective List II (Select 2 hours from the following courses):

HYD	110	Hydraulics/Pneumatics I	3
HYD	111	Mobile Hydraulic Systems	3
HYD	112	Hydraulics/Med/Heavy Duty	2

Elective List III (Select 2 hours from the following courses):

WBL	111	Work-Based Learning I	1
WBL	112	Work-Based Learning I	2
WLD	112	Basic Welding Processes	2

Graduation Requirements 70 Credit Hours