

TRANSPORTATION 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 coursework 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.

Program Sequence

First Semester

ELN 110	Survey of Electronics.....	3
ENG 110	Freshman Composition	3
HUM 121	The Nature of America	3
HYD 112	Hydraulics – Medium and Heavy Duty	2
TRN 120	Basic Transportation Electricity	5
TRN 120A	Basic Transportation Electricity Lab	1
TRN 140	Transportation Climate Control	2

Second Semester

HET 110	Diesel Engines	6
HET 134	Diesel Fuel and Power System	3
MAT 110	Math Measurement and Literacy.....	3
PME 112	Consumer Products.....	2

Third Semester

PME 121	Component Controls	2
TRN 110	Introduction to Transportation Technology	2
TRN 170	PC Skills for Transportation.....	2
WBL 112	Work-Based Learning I.....	2

Fourth Semester

COM 120	Intro to Interpersonal Communication	3
HET 114	Power Trains	5
HYD 134	Hydraulic/Hydrostatic Construction	4
PME 111	Harvest and Spraying Equipment.....	4
PSY 118	Interpersonal Psychology	3

Fifth Semester

ELN 112	Diesel Electronics System.....	4
PME 122	Agricultural Telematics	3
PME 211	Adv Equipment Repair	4

Graduation Requirements 71 Credit Hours

Agricultural Systems Technology Diploma - D60410

The Agricultural Systems Technology Diploma prepares individuals to maintain and repair specialized farm, ranch, and agribusiness power equipment and vehicles including terrestrial and airborne crop-spraying equipment; tractors and hauling equipment; planting and harvesting equipment; cutting equipment; power sources and

systems for silos; irrigation and pumping equipment; dairy, feeding, and shearing operations; and processing systems.

Program Sequence

First Semester

ENG 110	Freshman Composition.....	3
TRN 120	Basic Transportation Electricity.....	5
TRN 120A	Basic Transportation Electricity Lab.....	1
TRN 140	Transportation Climate Control.....	2

Second Semester

HET 110	Diesel Engines.....	6
HET 134	Diesel Fuel and Power System.....	3
PME 112	Consumer Products.....	2

Third Semester

PME 121	Component Controls.....	2
TRN 110	Introduction to Transportation Technology	2
TRN 170	PC Skills for Transportation	2

Fourth Semester

HET 114	Power Trains.....	5
HYD 134	Hydraulic/Hydrostatic Construction.....	4
PME 111	Harvest and Spraying Equipment	4
PSY 118	Interpersonal Psychology	3

Fifth Semester

ELN 112	Diesel Electronics System	4
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Graduation Requirements 48 Credit Hours