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Agricultural Diesel Mechanics - AAS

Semester-by-Semester Pathway

An Associates of Applied Science Degree emphasizes preparation in the applied arts and sciences for careers, typically at the technical or semi-professional level. This degree totals 67 credits. Consult with an advisor for more information. Not all courses are offered each semester.

(T) are Systemwide Transfer Courses

(★) are recommended for this degree pathway.

Semester 1 - Fall				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	AP101	Introduction to Ag Power	6.00	Fall 2026
	AP107	Ag Equipment Hydraulics	6.00	Fall 2026
	AP121	Ag Equipment Electricity	3.00	Fall 2026
	AP122	Combine Operation and Repair	2.00	Fall 2026
	TR121	General Industrial Safety/OSHA10	1.00	Summer 2026, Fall 2026
Electives				
Semester Total:			18.00	

Semester 2 - Spring				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	AE100	AC/DC Circuits	4.00	Fall 2026, Spring 2027
	AP102	Hay and Seeding Systems	2.00	Spring 2027
	AP104	Ag Air Conditioning	2.00	Spring 2027
	AP125	Agriculture Equipment Technology & Optimization	1.00	Spring 2027
	AP203	Ag Equipment Powertrains	7.00	Spring 2027 Prereq: AP101 Introduction to Ag Power.
	AP206	Dealership Operations and Procedures	1.00	Spring 2027
	TR120	Work Ethics	2.00	Summer 2026, Fall 2026, Spring 2027
Electives				
Semester Total:			19.00	

Semester 3 - Fall				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	AP227	Ag Diesel Diagnostics	3.00	Prereq: AP107 Ag Equipment Hydraulics, and AP221 Advanced Ag Equipment Electricity.

Electives			
	Ag Diesel Communications Options		3.00
	Ag Diesel Composition Options		3.00
	Ag Diesel Traditional Pathway General Education Options		6.00
Semester Total:			15.00

Semester 4 - Spring				
Complete	Course ID	Course Title	Credit Hours	Notes
Required Courses				
	AP207	Advanced Ag Equipment Hydraulics	4.00	Prereq: AP107 Ag Equipment Hydraulics.
	AP222	Transverse and Axial Combines	4.00	Prereq: AP122 Combiner Operation and Repair.
	AP225	Advanced Ag Equipment Systems	4.00	Prereq: AP125 Ag Equipment Technology & Optimization.
Electives				
	Ag Diesel Math Options		3.00	
Semester Total:			15.00	

Total Credits: 67.00

*Semester offerings reflect the current academic year.

Ag Diesel Communications Options

Course ID	Course Title	Credit Hours	Notes
SH101	Public Speaking ▶	3.00	Summer 2026, Fall 2026, Spring 2027
★ SH210	Interpersonal Communication ▶	3.00	Summer 2026, Fall 2026, Spring 2027

Ag Diesel Composition Options

Course ID	Course Title	Credit Hours	Notes
EN107	Business English Grammar & Composition	3.00	Fall 2026, Spring 2027
★ EN108	Career and Technical Writing	3.00	Fall 2026, Spring 2027

Ag Diesel Math Options

Course ID	Course Title	Credit Hours	Notes
★ FM101	Agricultural Mathematics	3.00	Spring 2027
TR100	Technical Math	3.00	Fall 2026, Spring 2027

Ag Diesel Traditional Pathway General Education Options

Course ID	Course Title	Credit Hours	Notes
BU105	Introduction to Business ▶	3.00	Summer 2026, Fall 2026, Spring 2027
BU107	Personal Finance ▶	3.00	Summer 2026, Fall 2026, Spring 2027
BU118	Introduction to Leadership ▶	3.00	Fall 2026, Spring 2027