

DIESEL POWER EQUIPMENT TECHNOLOGY

Program Code: E.PET.AAS

Associate in Applied Science (A.A.S.)

Graduation requirement — 68 semester hours

Prepares students to maintain and repair machinery and equipment used in the agriculture, construction, and motor trucking industries.

Program Notes*

- Before enrolling in program-specific courses, students must be accepted into the program.
- A tool set is required for all technical program courses.
- Some courses may need to be taken during the summer.
- Must have valid driver's license.
- General Education electives are chosen from two of the following categories: communications, social/behavioral sciences, humanities/fine arts, mathematics, physical/life sciences. For more information, see General Education requirements on p. 63.
- WLX substitutions are accepted for WLD 111.
 - WLD 111 = WLX 112 + WLX 113 + WLX 114 + WLX 115

Suggested Full-time Sequence

FALL	SPRING	SUMMER
1st Semester	2nd Semester	3rd Semester
DPE 130	DPE 230	DPE 215
DPE 151	DPE 234	DPE 238
DPE 251	DPE 239	
MAT 131	DPE 253	
Gen Ed elec	WLD 111	

FALL	SPRING
4th Semester	5th Semester
DPE 110	DPE 217
DPE 135	DPE 235
DPE 236	DPE 254
AGB 214 or MFT 130	DPE 259
ENG 101 or ENG 111	COM 103 or COM 120
Gen Ed elec	

Required Program Courses (53 hours)

Cr. Hrs.

AGB 214	Precision Farming Technology	
or MFT 130	Basic Machine Processes	3
DPE 110	Agricultural and Heavy Equipment Power Trains	4
DPE 130	Introduction to Diesel Electrical	4
DPE 135	Introduction to Mobile Hydraulics	3
DPE 151	Diesel Fuel Systems	3
DPE 215	Diesel Work Experience I	2
DPE 217	Diesel Work Experience II	2
DPE 230	Electronic Systems and Accessories	3
DPE 234	Vehicular Air Conditioning I	2
DPE 235	Advanced Hydraulics	2
DPE 236	Equipment Adjustment and Repair	4
DPE 238	Vehicular Air Conditioning II	1
DPE 239	Truck Suspension, Steering, and Brakes	3
DPE 251	Diesel Engine Overhaul	4
DPE 253	Advanced Diesel Fuel Systems	3
DPE 254	Advanced Power Trains	3
DPE 259	Service Department Implementation	3
WLD 111	Introduction to Welding	4

Required General Education Courses (15 hours)

ENG 101	Composition I	
or ENG 111	Workplace Writing	3
MAT 131	Applied Mathematics	3
COM 103	Introduction to Public Speaking	
or COM 120	Interpersonal Communication	3
	General Education electives*	6

Total Semester Credit Hours

68

Recommended Courses

CNH 153	Service Department Operations	1
EST 114	Career and Technical Ethics	1