

DIESEL TECHNOLOGY - AAS

Offered at: Bluegrass Community and Technical College, Elizabethtown Community and Technical College, Gateway Community and Technical College, Hopkinsville Community College, Madisonville Community College, Owensboro Community and Technical College, Southcentral Kentucky Community and Technical College, Southeast Kentucky Community and Technical College

Program Plan Number: 4706057039

Curriculum Effective Spring Semester

A student must receive a grade of "C" or better to receive credit for successful completion of courses in the diesel technology curriculum.

Course	Title	Credits
General Education		
Written Communication		3
Quantitative Reasoning		3
Natural Sciences		3
Social/Behavioral Sciences		3
Heritage/Humanities		3
Subtotal		15
Technical Core		
Digital Literacy ¹		3
Select one of the following three options:		5
BEX 100 & BEX 101	Basic Electricity for Non-Majors and Basic Electricity Lab for Non-Majors	
ADX 120 & ADX 121	Basic Automotive Electricity and Basic Automotive Electricity Lab	
ELT 110	Circuits I	
ADX 170	Climate Control	3
ADX 171	Climate Control Lab	1
DIT 103	Preventive Maintenance Lab	2
Select one of the following two options:		5
DIT 110 & DIT 111	Introduction To Diesel Engines and Introduction To Diesel Engines Lab	
ADX 150 & ADX 151	Engine Repair and Engine Repair Lab	
DIT 112	Diesel Engine Repair	3
DIT 113	Diesel Engine Repair Lab	2
DIT 150	Power Trains	3
DIT 151	Power Trains Lab	2
Select one of the following two options':		5
DIT 190 & DIT 191	Electrical Systems for Diesel Equipment and Electrical Systems for Diesel Equipment Lab	
ADX 260 & ADX 261	Electrical Systems and Electrical Systems Lab	
Subtotal		34
General Education and Technical Core Subtotal		49

Students must complete one of the tracks listed below to complete the AAS requirements.

¹ Digital Literacy must be demonstrated either by competency exam or by completing a digital literacy course. If demonstrated by a competency exam, an additional three credit hour class must be taken.

Agriculture Diesel Technician Track

Offered at: Elizabethtown Community and Technical College, Hopkinsville Community College, Madisonville Community College, Owensboro Community and Technical College, Southeast Kentucky Community and Technical College

Program Plan Number: 470605701

Course	Title	Credits
General Education and Technical Core Subtotal		49
DIT 152	Powertrain for Construction Equipment	3
DIT 153	Powertrain for Construction Equipment Lab	2
Select one of the following two options:		5
DIT 140 & DIT 141	Hydraulics and Hydraulics Lab	
FPX 100 & FPX 101	Fluid Power and Fluid Power Lab	
Select one of the following three options:		3-5
DIT 121	Introduction to Maintenance Welding Lab	
IMT 100 & IMT 101	Welding for Maintenance and Welding for Maintenance Lab	
WLD 120 & WLD 121	Shielded Metal Arc Welding and Shielded Metal Arc Welding Fillet Lab	
Total Credits		62-64

Construction Equipment Technician Track

Offered at: Elizabethtown Community and Technical College, Madisonville Community College, Owensboro Community and Technical College, Southeast Kentucky Community and Technical College

Program Plan Number: 470605702

Course	Title	Credits
General Education and Technical Core Subtotal		49
Select one of the following three options:		3-5
DIT 121	Introduction to Maintenance Welding Lab	
IMT 100 & IMT 101	Welding for Maintenance and Welding for Maintenance Lab	
WLD 120 & WLD 121	Shielded Metal Arc Welding and Shielded Metal Arc Welding Fillet Lab	
Select one of the following two options:		5
DIT 140 & DIT 141	Hydraulics and Hydraulics Lab	
FPX 100 & FPX 101	Fluid Power and Fluid Power Lab	
DIT 123	Undercarriage Lab	3
DIT 152	Powertrain for Construction Equipment	3
DIT 153	Powertrain for Construction Equipment Lab	2
Total Credits		65-67

Medium and Heavy Truck Technician Track

Offered at: Bluegrass Community and Technical College, Elizabethtown Community and Technical College, Gateway Community and Technical College, Madisonville Community College, Owensboro Community and Technical College, Southcentral Kentucky Community and Technical College, Southeast Kentucky Community and Technical College

Program Plan Number: 470605703

Course	Title	Credits
General Education and Technical Core Subtotal		49
DIT 180	Brakes	3
DIT 181	Brakes Lab	2
DIT 160	Steering and Suspension	3
DIT 161	Steering and Suspension Lab	2
Select one of the following four options:		3-5
DIT 140 & DIT 141	Hydraulics and Hydraulics Lab	
FPX 100 & FPX 101	Fluid Power and Fluid Power Lab	
WLD 120 & WLD 121	Shielded Metal Arc Welding and Shielded Metal Arc Welding Fillet Lab	
DIT 121	Introduction to Maintenance Welding Lab	
Total Credits		62-64