

**DIESEL TECHNOLOGY**  
**Construction Equipment Technician**  
**Diploma**  
**4706054019**

**Academic Plan Code**

<b>Contact Information:</b> Doyle Howard			
<a href="mailto:doyle.howard@kctcs.edu">doyle.howard@kctcs.edu</a>		270-534-3868	
Student Name		Student ID#	
	<b>Course</b>	<b>Hours</b>	<b>Grade</b>
<b>GENERAL EDUCATION</b>			
Area 1: Written Communication, Oral Communications, Humanities/Heritage		3	
Area 2: Social/Behavioral Science, Natural Sciences or Quantitative Reasoning		3	
<b>Subtotal</b>		<b>6</b>	
<b>TECHNICAL COURSES</b>			
Computer/Digital Literacy course OR demonstrated competency		0-3	
ADX 120 Basic Automotive Electricity AND		3	
ADX 121 Basic Automotive Electricity Lab OR		2	
ELT 110 Circuits I		(5)	
ADX 170 Climate Control		3	
ADX 171 Climate Control Lab		1	
DIT 103 Preventive Maintenance Lab		2	
DIT 110 Introduction to Diesel Engines AND		3	
DIT 111 Introduction to Diesel Engines Lab OR		2	
ADX 150 Engine Repair AND		(3)	
ADX 151 Engine Repair Lab		(2)	
DIT 112 Diesel Engine Repair		3	
DIT 113 Diesel Engine Repair Lab		2	
DIT 121 Introduction to Maintenance Welding Lab OR		3	
WLD 120 Shielded Metal Arc Welding (SMAW ) AND		(3)	
WLD 121 Shielded Metal Arc Welding (SMAW) Lab		(2)	
DIT 123 Undercarriage Lab		3	
DIT 140 Hydraulics AND		3	
DIT 141 Hydraulics Lab OR		2	
FPX 100 Fluid Power AND		(3)	
FPX 101 Fluid Power Lab		(2)	
DIT 150 Power Trains		3	
DIT 151 Power Trains Lab		2	
DIT 152 Power train for Construction Equipment		3	
DIT 153 Power train for Construction Equipment Lab		2	
DIT 190 Electrical Systems for Diesel Equipment AND		3	
DIT 191 Electrical Systems for Diesel Equipment Lab OR		2	
ADX 260 Electrical Systems AND		(3)	
ADX 261 Electrical Systems Lab		(2)	
<b>Subtotal</b>		<b>47-52</b>	
<b>Total Credits</b>		<b>53-58</b>	

Revised Date: 8/16/2017

KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

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<b>Fall Semester</b>		
Course No.	Course Title	Credit Hours
DIT 110	Introduction to Diesel Engines AND	3
DIT 111	Introduction to Diesel Engines Lab OR	2
ADX 150	Engine Repair AND	(3)
ADX 151	Engine Repair Lab	(2)
DIT 123	Undercarriage Lab	3
DIT 140	Hydraulics AND	3
DIT 141	Hydraulics Lab OR	2
FPX 100	Fluid Power AND	(3)
FPX 101	Fluid Power Lab	(2)
	<b>Subtotal</b>	<b>13</b>
<b>Spring Semester</b>		
Course No.	Course Title	Credit Hours
ADX 120	Basic Automotive Electricity AND	3
ADX 121	Basic Automotive Electricity Lab OR	2
ELT 110	Circuits I	(5)
DIT 103	Preventive Maintenance Lab	2
DIT 112	Diesel Engine Repair	3
DIT 113	Diesel Engine Repair Lab	2
DIT 121	Introduction to Maintenance Welding Lab OR	3
WLD 120	Shielded Metal Arc Welding (SMAW) AND	(3)
WLD 121	Shielded Metal Arc Welding (SMAW) Lab OR	(2)
	<b>Subtotal</b>	<b>15</b>
<b>Fall Semester</b>		
Course No.	Course Title	Credit Hours
DIT 190	Electrical Systems for Diesel Equipment AND	3
DIT 191	Electrical Systems for Diesel Equipment Lab OR	2
ADX 260	Electrical Systems AND	(3)
ADX 261	Electrical Systems Lab	(2)
	Area 1: Written Communication, Oral Communications, Humanities/Heritage	3
	Area 2: Social/Behavioral Science, Natural Sciences or Quantitative Reasoning	3
	Computer/Digital Literacy course OR demonstrated competency	(0-3)
	<b>Subtotal</b>	<b>11-14</b>

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**Spring Semester**

Course No.	Course Title	Credit Hours
ADX 170	Climate Control	3
ADX 171	Climate Control Lab	1
DIT 150	Power Trains	3
DIT 151	Power Trains Lab	2
DIT 152	Power Train for Construction Equipment	3
DIT 153	Power Train for Construction Equipment Lab	2
	<b>Subtotal</b>	<b>14</b>
	<b>Grand Total</b>	<b>53-58</b>

**Program Coordinator Notes:** A student must receive a grade of "C" or better to receive credit for successful completion of courses in the Diesel Technology curriculum. It is the ultimate responsibility of the student to stay current with the curriculum requirements.