Program Coordinator: Aaron N. Harlow   **E-mail:** aaron.harlow@kctcs.edu   **Phone:** 859-246-6774

Program Website: https://bluegrass.kctcs.edu/education-training/program-finder/diesel-technology.aspx

Student Name: **Student ID:**

Students must meet college readiness benchmarks as identified by the Council on Postsecondary Education or remedy the identified skill deficiencies.

First Semester	Credit Hours	Term	Grade	Prerequisites	Notes
DIT 103 Preventative Maintenance Lab	2				
ADX 120 Basic Automotive Electricity	3				
ADX 121 Basic Automotive Electricity Lab	2			Coreq: ADX 120	
DIT 110 Introduction to Diesel Engines	3				
DIT 111 Introduction to Diesel Engines Lab	2			Coreq: DIT 110	
Quantitative Reasoning course	3				
Total Semester Credit Hours	**15**				

Second Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
FPX 100 Fluid Power	3				
FPX 101 Fluid Power Lab	2			Coreq: FPX 100	
DIT 180 Brakes	3				
DIT 181 Brakes Lab	2			Coreq: DIT 180	
DIT 160 Steering and Suspension	3				
DIT 161 Steering and Suspension Lab	2			Coreq: DIT 160	
Written Communication course	3				
Total Semester Credit Hours	**18**				

Third Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
DIT 112 Diesel Engine Repair	3				
DIT 113 Diesel Engine Repair Lab	2			Coreq: DIT 112	
ADX 170 Climate Control	3				
ADX 171 Climate Control Lab	1			Coreq: ADX 170	
Digital Literacy course	3				
Natural Sciences course	3				
Total Semester Credit Hours	**15**				

Fourth Semester	Cr. Hrs.	Term	Grade	Prerequisites	Notes
ADX 260 Electrical Systems	3				
ADX 261 Electrical Systems Lab	2			Coreq: ADX 260	
DIT 150 Powertrains	3				
DIT 151 Powertrains Lab	2			Coreq: DIT 150	
Heritage or Humanities course	3				
Social and Behavioral Sciences course	3				
Total Semester Credit Hours	**16**				
Total Degree Credit Hours	**64**				

Graduation Requirements: ☐   **25% or more of Total Program Credit Hours must be earned at BCTC**

                                               ☐   **Cumulative GPA must be 2.0 or higher**

Advisor Name _____   **Advisor Contact** _____

Additional Information
• The Diesel Technology program is currently on a two-year rotation cycle beginning in Fall 2019 and enrolling new students every other year.
• Enrollment into the program is limited. Interested students must contact the Diesel Technology Program Coordinator.
• Students cannot enroll in any ADX or DIT course without the permission of the Diesel Technology Program Coordinator.

Course Rotation Schedule		
	Fall	Spring
DIT 103 Preventative Maintenance Lab	X	
ADX 120 & ADX 121 Basic Automotive Electricity & Lab	X	
DIT 110 & DIT 111 Introduction to Diesel Engines & Lab	X	
FPX 100 and FPX 101 Fluid Power & Lab		X
DIT 180 & DIT 181 Brakes & Lab		X
DIT 160 & DIT 161 Steering and Suspension & Lab		X
DIT 112 & DIT 113 Diesel Engine Repair & Lab	X	
ADX 170 & ADX 171 Climate Control & Lab	X	
ADX 260 & ADX 261 Electrical Systems & Lab		X
DIT 150 & DIT 151 Powertrains & Lab		X

Embedded Credentials			
Credential	Title	Requirements	Total Credit Hours
Certificate	Diesel Engine Mechanic	DIT 110, 111, 112, 113 Electives (Diesel Courses)	12
Certificate	Diesel Steering & Suspension Mechanic	DIT 160, 161 Electives (Diesel Courses)	12
Certificate	Electrical/Electronic Systems Mechanic	ADX 120, 121, 260, 261 Electives (Diesel Courses)	12
Certificate	Fluid Power Mechanic	FPX 100, 101 Electives (Diesel Courses)	12
Certificate	Heavy Duty Brake Mechanic	DIT 180, 181 Electives (Diesel Courses)	12
Certificate	Heavy Duty Drive Train Mechanic	DIT 150, 151 Electives (Diesel Courses)	12
Certificate	Medium & Heavy Truck Mechanic Helper	ADX 120, 121, 260, 261 DIT 110, 111, 112, 113, 160, 161, 180, 181	30
Certificate	Mobile Air Conditioning Mechanic	ADX 170, 171 Electives (Diesel Courses)	12
Certificate	Preventative Maintenance Mechanic	DIT 103 Electives (Diesel Courses)	13

Certificate Requirements:

☐ **25% or more of Total Certificate Credit Hours must be earned at BCTC**

☐ **Grade of C or higher in each course required for certificate**