**Diesel Technology –Medium and Heavy Truck Mechanic Helper**

**Certificate**

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**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/automotive-technology.aspx**](https://bluegrass.kctcs.edu/education-training/program-finder/automotive-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.***

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| **First Semester** | **Credit****Hours** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ADX 120 Basic Automotive Electricity | 3 |  |  | Coreq: ADX 121 |  |
| ADX 121 Basic Automotive Electricity Lab | 2 |  |  | Coreq: ADX 120 |  |
| DIT 110 Introduction to Diesel Engines | 3 |  |  | Coreq: DIT 111 |  |
| DIT 111 Introduction to Diesel Engines Lab | 2 |  |  | Coreq: DIT 110 |  |
| **Total Semester Credit Hours** | **10** |  |  |  |

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| **Second Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| DIT 160 Steering and Suspension | 3 |  |  | Coreq: DIT 161 |  |
| DIT 161 Steering and Suspension Lab | 2 |  |  | Coreq: DIT 160 |  |
| DIT 180 Brakes | 3 |  |  | Coreq: DIT 181 |  |
| DIT 181 Brakes Lab | 2 |  |  | Coreq: DIT 180 |  |
| **Total Semester Credit Hours** | **10** |  |  |  |

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| **Third Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| DIT 112 Diesel Engine Repair | 3 |  |  | Prereq: DIT 110Coreq: DIT 113 |  |
| DIT 113 Diesel Engine Repair Lab | 2 |  |  | Prereq: DIT 111 Coreq: DIT 112 |  |
| **Total Semester Credit Hours** | **5** |  |  |  |

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| **Fourth Semester** | **Cr. Hrs.** | **Term** | **Grade** | **Prerequisites** | **Notes** |
| ADX 260 Electrical Systems | 3 |  |  | Coreq: ADX 261 |  |
| ADX 261 Electrical Systems Lab | 2 |  |  | Coreq: ADX 260 |  |
| **Total Semester Credit Hours** | **5** |  |  |  |  |
| **Total Certificate Credit Hours** | **30** |  |  |  |  |

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| * **25% or more of Total Certificate Credit Hours must be earned at BCTC**
* **Grade of C or higher in each course required for the certificate**
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**Graduation Requirements:**

**Advisor Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Advisor Contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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| **Additional Information** |
| * The Diesel Technology program is currently on a two-year rotation cycle beginning in Fall 2018 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 DIT or ADX course without the permission of the Diesel Technology Program Coordinator.
* Students must earn a grade of C or better to receive credit for successful completion of courses in the Diesel Technology curriculum.
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| **Course Rotation Schedule** |
|  | **Fall** | **Spring** |
| ADX 120 & ADX 121 Basic Automotive Electricity & Lab | X |  |
| DIT 103 Preventative Maintenance Lab | X |  |
| DIT 110 & DIT 111 Introduction to Diesel Engines & Lab | X |  |
| DIT 160 & DIT 161 Steering and Suspension & Lab |  | X |
| DIT 180 & DIT 181 Brakes & Lab |  | X |
| FPX 100 and FPX 101 Fluid Power & Lab |  | X |
| ADX 170 & ADX 171 Climate Control & Lab | X |  |
| DIT 112 & DIT 113 Diesel Engine Repair & Lab | X |  |
| ADX 260 & ADX 261 Electrical Systems & Lab |  | X |
| DIT 150 & DIT 151 Power Trains & Lab |  | X |