[Diesel Technology – Diesel Engine Mechanic](https://bluegrass.kctcs.edu/education-training/program-finder/diesel-technology.aspx)

Certificate

Coordinator: Aaron N. Harlow ([aaron.harlow@kctcs.edu](mailto:aaron.harlow@kctcs.edu)) 859-246-6774

Student Name: Student ID:

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

Semester 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| 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 | 5 |  |  |  |  |

Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Courses | Cr. Hrs. | Term | Grade | Prerequisites | Notes |
| DIT 112 Diesel Engine Repair | 3 |  |  | Prereq: DIT 110  Coreq: DIT 113 |  |
| DIT 113 Diesel Engine Repair Lab | 2 |  |  | Prereq: DIT 111  Coreq: DIT 112 |  |
| Diesel Courses OR  Industrial Education Core Course | 2 |  |  |  |  |
| Total Semester Credit Hours | 7 |  |  |  |  |
| Total Certificate Credit Hours | 12 |  |  |  |  |

**Graduation Requirements:**

* 25% or more of Total Certificate Credit Hours must be earned at BCTC.
* Cumulative GPA must be 2.0 or higher.

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

**Additional Information**

* DIT 110, DIT 111, DIT 112 and DIT 113 are offered in the Fall semester only.
* 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.

**Course Rotation Schedule**

|  |  |  |
| --- | --- | --- |
| Course | 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 |

*Reviewed by: Aaron Harlow Effective Term: Fall 2021*

*Review Date: 03-01-2021*