

# Diesel Mechanic

## Career Studies Certificate

**Program Coordinator:** Keith Harless • kharless@vhcc.edu

276-525-4578

**Length:** Two Semesters

**Purpose:** The Career Studies Certificate in Diesel Mechanics provides successful students with the knowledge, skills and competency required for basic diesel mechanic positions.

**Occupational Objectives:** Fulfill the need for Diesel Mechanics.

**Admission Requirements:** A student eligible for admission to the College can normally be considered for admission to the Diesel Mechanic Studies Certificate.

**Program Requirements:** The curriculum will consist of both hands on learning and classroom instruction. The program can be completed in one year and will prepare graduates for entry-level diesel mechanic positions.

### Track 1: (Day)

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>First Semester (Fall)</b>				
DSL 111	Introduction to Diesel	1	2	2
DSL 152	Diesel Power Trains, Chassis, And Transmissions	2	4	4
DSL 143	Diesel Truck Electrical Systems	2	4	4
DSL 176	Transportation Air Conditioning	1	2	2
DSL 160	Air Brakes	2	2	3
<b>Total</b>		<b>8</b>	<b>14</b>	<b>15</b>
<b>Second Semester (Spring)</b>				
DSL 121	Diesel Engines I	3	6	6
DSL 122	Diesel Engines II	3	6	6
<b>Total</b>		<b>6</b>	<b>12</b>	<b>12</b>
<b>Total Credits for Career Studies Certificate</b>				<b>27</b>

### Track 2: (Evening)

Course Number	Course Title	Lecture Hours	Lab Hours	Credits
<b>First Semester (Fall)</b>				
DSL 121	Diesel Engines	3	6	6
DSL 122	Diesel Engines II	3	6	6
<b>Total</b>		<b>6</b>	<b>12</b>	<b>12</b>
<b>Second Semester (Spring)</b>				
DSL 111	Introduction to Diesel	1	2	2
DSL 143	Diesel Truck Electrical Systems	2	4	4
DSL 152	Diesel Power Trains, Chassis, and Transmissions	2	4	4
DSL 160	Air Brakes	2	2	3
DSL 176	Transportation Air Conditioning	1	2	2
<b>Total</b>		<b>8</b>	<b>14</b>	<b>15</b>
<b>Total Credits for Career Studies Certificate</b>				<b>27</b>

The AAS degree in **Technical Studies** is an available option for students who wish to further their studies following the completion of this program.