

**Certificate****DIESEL ENGINE TECHNOLOGY**

This program covers all components and functions of a diesel engine including service, diagnosis, diagnostic testing, hydraulics, electrical systems, heating and air conditioning systems, fundamentals of transmissions and torque converters and fuel systems. After completion of the program students will be able to demonstrate skill sets needed to enter the workforce as a Diesel Engine Technician.

**CURRICULUM SEQUENCE****First Semester - Fall**

	<b>Course Title</b>	<b>Semester Credit Hours</b>
DHM 105	Diesel Engines I	3
DHM 159	Shop Orientation: Tools, Equipment and Service Manuals	3
DHM 111	Introduction to Caterpillar	2
DHM 121	Introduction to Diagnostic Testing	2
DHM 173	Electrical Systems I	3
	<b>TOTAL</b>	<b>13</b>

**Second Semester - Spring**

DHM 231	Diesel Air Conditioning	2
DHM 125	Diesel Fuel Systems	3
DHM 205	Diesel Engines II	3
DHM 265	Hydraulic Systems	3
DHM 273	Electrical Systems II	3
	<b>TOTAL</b>	<b>14</b>

**Third Semester - Summer**

DHM 156	Fundamentals of Transmission and Torque Converters	3
DHM 275	Hybrid/Electric Drive Systems	3
DHM 255	Air Brakes Systems	3
	<b>TOTAL</b>	<b>9</b>
	<b>TOTAL CREDIT HOURS</b>	<b>36</b>

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