



## Heavy Diesel Service Technician Certificate (HD31)- 31 Credit Hours

**Program Description:**

The Heavy Diesel Service Technician certificate program provides training in theory, diagnosis, and repair of basic systems on diesel engines and diesel equipment. Program instruction includes shop safety, shop equipment, diesel engines and fuel systems, electrical and electronic systems, off road power trains, and heavy equipment hydraulics. Employers in this field look for applicants who have mechanical aptitude and strong problem solving skills. Technicians constantly receive updated technical manuals and instructions outlining changes in techniques and standards for repair. It is essential that technicians be able to read, interpret, and comprehend service manuals in order to keep abreast of engineering changes. Graduates may find employment as entry-level diesel service technicians. Salaries in this occupation are estimated to range from \$38,950 - \$59,440 per year (BLS.gov May 2022).

**Contact:**

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**Website:**

<https://www.westgatech.edu/program-explorer/installation-maintenance-repair/diesel-equipment-technology/>

Pre-Certificate Requirements					
Program Specific					
<ul style="list-style-type: none"> <li>Min GPA 2.0</li> <li>Carrollton campus</li> <li>Fall start recommended</li> </ul>					
Set the Track, Start the Track, Stay on Track					
<i>Meet with an Advising Coach to Stay on Track. S = Semester; CR = Credit Hours; FA = Fall; SP = Spring; SU = Summer; ALL=any semester</i>					
✓	Grade	Semester 1	S	CR	Notes & Milestones
		DIET 1000 Introduction to Diesel Technology, Tools and Safety	FA, SP	3	
		DIET 1010 Diesel Electrical and Electronic Systems	FA, SP	7	Corequisite: DIET 1000
				<b>10</b>	<b>Program Semester Hours</b>
✓	Grade	Semester 2	S	CR	Notes & Milestones
		DIET 1030 Diesel Engines	FA	6	Prerequisite: DIET 1010
				<b>6</b>	<b>Program Semester Hours</b>
✓	Grade	Semester 3	S	CR	Notes & Milestones
		DIET 2001 Heavy Equipment Hydraulics	SP	6	Prerequisite: DIET 1010
				<b>6</b>	<b>Program Semester Hours</b>

✓	Grade	Semester 4	S	CR	Notes and Milestones
		Choose one: DIET 1040 Introduction to Diesel Technology, Tools and Safety OR DIET 1050 Diesel Equipment Technology Internship	FA	3	Prerequisites: DIET 1010
				4	DIET 1000, DIET 1010, DIET 1030
		DIET 2011 Off Road Drivelines	SP	6	Prerequisite: DIET 1010
				<b>10</b>	<b>Program Semester Hours</b>
Always check online <a href="https://www.westgatech.edu/">https://www.westgatech.edu/</a> and meet with your Advising or Faculty Coach to ensure you are viewing the latest and most accurate information.					

**Employment Opportunities:** <https://www.westgatech.edu/student-life/career-services/>

**Financial Aid by Program:** <https://www.westgatech.edu/wp-content/uploads/2019/02/WGTC-Available-Aid-By-Program-11-17-2023.pdf>

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