

## DIESEL TECHNOLOGY, A.A.S.

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#### Overview

The Diesel Technology degree prepares future Technicians for the ever-changing diesel industry. Today, Diesel Technicians are in high demand. Individuals will learn to overhaul engine assemblies, troubleshoot electrical systems, operate diagnostic software devices, and work on air conditioning systems. They will learn about hydraulics, powertrains, fuel injection systems, and have the opportunity to experience how these systems work together to drive the diesel industry. Service department operations, computerized diagnostics, and GPS system operations also help prepare individuals for leadership roles in the diesel industry. Through the summer internship, students gain an understanding of how these courses blend together in the workplace. During their second year of the program, students accelerate their understanding and capabilities. Come join an ever-changing industry where countless opportunities are there for ambitious and driven individuals.

#### Locations

Canby

Course Number	Course Title	Credits
	<i>General Education</i>	15
Fall - Year 1		
DSL 1100	Diesel Engine Theory	3
DSL 1105	Diesel Engine Lab	4
DSL 1110	Electrical Theory	2
DSL 1115	Electrical Lab	2
DSL 1135	Fuel Injection Principles	3
DSL 1142	Heating and Air Conditioning Systems	3
	<b>Credits - Fall</b>	<b>17</b>
Spring - Year 1		
DSL 1120	Powertrain Principles	2
DSL 1125	Powertrain Lab	3
DSL 1130	Hydraulics Theory and Application	3
DSL 2106	Advanced Powertrain Theory	3
DSL 2111	Advanced Powertrain Lab	4
	<b>Credits - Spring</b>	<b>15</b>
Summer - Year 1		
DSL 1150	Internship	4
	<b>Credits - Summer</b>	<b>4</b>
	<b>Total Credits - Year 1</b>	<b>36</b>
Fall - Year 2		
DSL 2131	Service Department Operations & Procedures	3
DSL 2136	Fuel Systems Theory	5
DSL 2137	Fuel Systems Lab	5
	<b>Credits - Fall</b>	<b>13</b>
Spring - Year 2		
DSL 1170	Diesel Welding	3
DSL 2145	Advanced Diesel	4
DSL 2150	Advanced Engine Lab	5

Course Number	Course Title	Credits
DSL 2155	Diesel Engine Control Systems	3
DSL 2180	Computerized Diagnostics	2
DSL 2190	GPS Systems Operations	2
	<b>Credits - Spring</b>	<b>19</b>
	<b>TOTAL CREDITS</b>	<b>72</b>

**Notes:** The 15 General Education Electives must be selected from 3 of the 10 Goal Areas of the Minnesota Transfer Curriculum.

General Education electives from: English, Biology, Chemistry, Physics, Math, Natural Science, Art, Foreign Language, Literature, Music, Philosophy, Theatre, Western Civilization, Economics, Geography, History, Political Science, Psychology, and Sociology.