

## Level Chart: Heavy Duty Equipment Technician - Technical Training

Level One (8 Weeks) – COMMON CORE UNITS				Level Two (8 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A1	Learning About Work	7	0	B1	Welding II	7	21
A2	Trade Safety Awareness	7	0	B2	Starting and Charging Systems	7	28
A3	Tools and Equipment	7	21	B3	Engines and Engine Support Systems I	21	49
A4	Trade Communications, Documents and Computer Skills	21	0	B4	Powertrain Fundamentals	7	42
A5	Engine Principles	7	28	B5	Electronics I: Fundamentals	7	21
A6	Electrical Fundamentals	14	56	B6	Differentials, Drive Axles and Tracks	14	35
A7	Braking Systems and Wheel-End Safety	12	23	B7	Steering Systems	14	7
A8	Hoisting and Lifting	2	5				
A9	Basic Hydraulic Systems	7	14				
A10	Frames, Suspensions and Structural Components	14	0				
A11	HVAC and Environmental Controls I	7	0				
A12	Welding I	7	21				
	<b>Subtotals</b>	<b>112</b>	<b>168</b>		<b>Subtotals</b>	<b>77</b>	<b>203</b>
	<b>Total</b>	<b>280 hours</b>			<b>Total</b>	<b>280 hours</b>	

*Common Core level for Agricultural Equipment Technician, Heavy Duty Equipment Technician, Truck and Transport Mechanic, and Transport Trailer Technician*

Level Three (7 Weeks)				Level Four (5 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
C1	Engines and Engine Support Systems II: Combustion Science/Emission Controls	21	14	D1	Journeyman Trainer	7	0
C2	Engines and Engine Support Systems III: Diesel Fuel Systems	35	35	D2	Electronics II: Automated Machine Control	21	35
C3	Alternate Fuels	7	0	D3	Hydraulic Testing and Diagnostics	7	21
C4	HVAC and Environmental Controls II	7	28	D4	Hydrostatic Testing and Diagnostics	7	14
C5	Hydraulics Service and Repair	7	28	D5	Cabs and Protective Structures	7	7
C6	Powertrains II: Heavy Duty Transmissions	14	35	D6	Material Handling and Ground Engaging Tools	7	7
C7	Spark Ignition Systems	7	7	D7	Pre-Interprovincial Review	35	0
	<b>Subtotals</b>	<b>98</b>	<b>147</b>		<b>Subtotals</b>	<b>91</b>	<b>84</b>
	<b>Total</b>	<b>245 hours</b>			<b>Total</b>	<b>175 hours</b>	

**T – Theory hours**  
**P – Practical hours**