

Level Chart: Heavy Duty Equipment Technician - Technical Training

Level One (8 Weeks)				Level Two (8 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A1	Safety, WHMIS and Preventative Maintenance	5	0	B2	Customer / Interpersonal Relations and Communications	20	0
A2	Equipment Access / Transport and Related Procedures	7	0	C2	Welding (Electric/Arc/MIG)	8	32
B1	Basic Computer Skills and Information Retrieval	6	14	E2	Hydraulic Transmissions, Retarders and Torque Converters	14	20
C1	Welding (Oxyacetylene)	2	18	E3	Differentials, Drive Axles, Final Drives and Clutch Steering Systems	14	20
D1	Engine Systems and Repair Procedures	52	50	F2	Tracks, Frames and Undercarriage; Ground Engaging Tools, Booms and Attachments	17	0
E1	Standard Transmission Systems, Drivelines, Transfer Cases and PTOs	25	38	H2	Manual / Hydraulic Steering Systems, Linkage and Geometry	14	11
F1	Tires and Wheel Assemblies	14	4	I2	Electronic Components, Body Electrical and Warning Safety Systems	20	14
H1	Brake Fundamentals & Components	15	5	I3	Starting and Charging Systems	28	28
I1	Electrical Fundamentals	10	15	J1	Standard and Electronic Ignition Tune-up	10	10
	Subtotals	136	144		Subtotals	145	135
	Total	280 hours			Total	280 hours	

Level Three (6 Weeks)				Level Four (4 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
D2	Diesel Fuel Injection, Emission Control; Engine Diagnosis, Startup, Tune-up and Engine Brakes	45	45	A3	Pre-IP Review	60	0
F3	HVAC	10	40	G2	Hydraulic Components, Testing and Diagnosis	15	38
G1	Hydraulics and Hydrostatic Drives	13	17	I5	Engine Electronic Reprogramming and Troubleshooting	13	14
I4	Electronic Control Management Systems and Diagnostic Tools	6	14				
J2	Fuel Systems and Alternative Fuels	15	5				
	Subtotals	89	121		Subtotals	88	52
	Total	210 hours			Total	140 hours	