## **Apprenticeship** Manitoba

## Profile Chart: Truck and Transport Mechanic - Technical Training

Safety, Hazardous Materials & Preventiative Maninance  Safety, Hazardous Materials & Preventiative Maninance  Sourse B:  B1  Communication Skills  Basic Computer Skills, A Information Retrieval  Sourse B:  Communication Skills  Basic Computer Skills, A Information Retrieval  Sourse C:  C1  C2  Welding (Oxyacetytene)  Welding (Oxyacetytene)  Ciclestro/AroMIG)  Sourse D:  D1  D2  Engine Brakes  Froat - 142 Hours  Engine Systems  A Repair Procedures  Stanton Trans-us-glossystems  A Repair Procedures  Stanton Trans-us-glossystems  Systems Drivelinos, Trans-us-glossystems  Stanton Trans-us-glossystems  Stanton Trans-us-glossystems  Stanton Trans-us-glossystems  Stanton Trans-us-glossystems  Stanton Systems  Supernios Drivelinos, Trans-us-glossystems  Stanton Trans-us-g	Course A:	Τ Δ1		A2		I A2		Ι Δ4	
Materials & Preventative Maintenance Maint	Course A: Workshop Practices	A1		AZ		A3		A4	
Source   State   Sta		Materials & Preventative		Access/Transport &				Pre-IP Review	
8. Information Retrieval Course C: C1 Welding Welding (Cxyacetylene) Welding (Cxyacetylene) Welding (Cxyacetylene) Welding Welding (Cxyacetylene) Welding Welding (Cxyacetylene) Welding (Cxyacetylene) Welding (Cxyacetylene) Welding (Cxyacetylene) Welding Welding (Cxyacetylene) Welding (Cxyacetylene) Welding (Cxyacetylene) Welding Welding Welding Welding Welding Cleberto/Arc/MIC) Course D: Engine S beneficial Call Call Call Call Call Call Call C	Total - 79 Hours Course B:		5 Hours		7 Hours	Level 3	7 Hours	Level 4	60 hours
Course C:	Communication Skills								
Welding   Welding (Cxyscetylene)   Welding (Electric/Arc/MIG)   (Elect	Total – 30 Hours	Level I	20 Hours	Level 3	10 Hours				
Cevel 1	Course C:	C1		C2					
D1   D2   Engine Systems & Repair Procedures   Engine Diagnosis, & Repair Procedures   Startup, Tune-up & Engine Diagnosis, & Repair Procedures   Standard Transmission Systems, Divielines, Transfer Cases & PTOS   Standard Transmission Systems, Divielines, Transfer Cases & PTOS   Startup Systems   Startup Systems   Steering S	Welding	Welding (Oxyacetylene)							
Engine Systems & Repair Procedures  Total – 142 Hours  Level I 102 Hours  Level 3 40 Hours  Course E E1  Drive Trains  Standard Transmis-sions Systems, Drivelines, Transfer Cases & PTOs & Final Drives  Multi Countershaft & Autoshift  Evel 2 30 Hours  Course F:  F1  F1  Steering, Suspension & Frames  Assemblies  Steering, Suspension & Attached Equipment  Course G G1  Cab & Chassis  Cab & Chassis  Course H:  H1  H2  H3  H4  Hydraulic Transmissions: Multi Countershaft & Autoshift  Evel 2 20 Hours  Level 2 20 Hours  Level 2 20 Hours  Suspension Systems & Frames  Frames  Suspension Systems & Frames  Suspension Systems & Frames  Frames  Suspension Systems & Frames  Frames  Suspension Systems & Frames  Suspension Systems & Frames  Frames  Frames  Frames  Suspension Systems & Frames  Frames  Suspension Systems & Frames  Frames  Frames  Frames  Frames  Suspension Systems & Frames  Frames  Frames  Frames  Suspension Systems & Frames  Frames  Frames  Frames  Frames  Suspension Systems & Frames  Frames  Frames  Frames  Frames  Frames  Frames  Frames  Frames  Suspension Systems & Frames  Frame	Total - 60 Hours	Level I	20 Hours	Level 2	40 Hours				
Startup, Tuñe-up & Engine Procedures   Startup, Tuñe-up & Engine Brakes	Course D:	D1		D2					
E1	Engines			Startup, Tune-up &					
Drive Trains  Standard Transmis-sion Systems, Drivelines, Transfer Cases & PTOs  Level 1 63 Hours  Course F:  F1  Steering, Suspension & Frames  Total - 63 Hours  Course G  G1  Cabs, Restraint Systems & Altached Equipment  Brakes, Hydraulics & Components  Course H:  H1  H2  Brakes, Hydraulics & Components  Evel 1 20 Hours  Evel 2 25 Hours  Course G  G1  Cabs & Chassis  Course H:  H1  H2  Brakes, Hydraulics & Components  Evel 1 20 Hours  Evel 2 25 Hours  Course H:  H1  H2  Brakes, Hydraulics & Components  Evel 2 25 Hours  Course H:  H1  Brakes, Hydraulic Transmissions: Multi Countershaft & Autoshift  Evel 2 20 Hours  Level 2 20 Hours  Level 2 20 Hours  Suspension Systems & Frames  Suspension Systems & Frames  Level 2 20 Hours  Cads & Chassis  Cads & Chassis  Cab & Chassis  Cab & Chassis  Cab & Chassis  Brake Fundamentals  Evel 3 40 Hours  Level 4 14 Hours  Course H:  H1  H2  H3  H4  H3  H4  H4  H5  Brake Systems  & Power Assist Units  & Transport  Fundamentals  & Transport  Refrigeration  Refrigeration  Fundamentals  Evel 1 20 Hours  Level 2 15 Hours  Level 3 25 Hours  Level 4 21 Hours  Level 4 21 Hours  Course I:  I1  I2  I3  I4  Charging Systems  Charging Systems  Components  Components  Fundamentals  Spark Ignition Systems  Electronic Control  Systems, Programming  & Scan Tools  Level 2 25 Hours  Level 4 45 Hours  Level 2 30 Hours  Level 2 30 Hours  Level 2 30 Hours  Level 2 30 Hours  Level 3 30 Hours  Level 4 45 Hours  Diesel Fuel Injection, Engine Management  Engine Management  Exhaust Systems  Electronic Control  Systems  Evel Systems  Evel Systems  Alternative Fuels	Total - 142 Hours	Level I	102 Hours	Level 3	40 Hours				
Systems, Drivelines, Transfer Cases & PTOS Level 1 63 Hours Level 2 30 Hours Level 2 20 Hours Level 3 20 Hours Level 3 20 Hours Level 3 40 Hours Level 4 14 Hours Level 4 14 Hours Level 5 40 Hours Level 5 40 Hours Level 6 14 Hours Level 8 Hours Level 9 40 Hours Level 1 15 Hours Level 1 15 Hours Level 1 20 Hours Level 2 25 Hours Level 3 25 Hours Level 4 21 Hours Level 4 21 Hours Level 4 21 Hours Level 5 30 Hours Level 6 2 50 Hours Level 7 20 Hours Level 9 3 25 Hours Level 1 20 Hours Level 1 20 Hours Level 1 20 Hours Level 2 25 Hours Level 3 30 Hours Level 4 21 Hours Level 4 21 Hours Level 5 30 Hours Level 6 30 Hours Level 7 20 Hours Level 9 30 Hours Level 9 40 Hours Level 9 30 Ho	Course E	E1		E2		E3		E4	
Course F: Steering, Suspension & Frames  Steering Systems & Alignment  Steering Systems & Frames  Suspension Systems & Frames  Suspension Systems & Frames  Suspension Systems & Frames  Suspension Systems & Frames  Level 1 18 Hours  Level 2 25 Hours  Cabs & Chassis  Cabs & Chassis  Cabs & Chassis  Cabs & Chassis  Cabs & Attached Equipment  Level 3 8 Hours  Level 3 40 Hours  Level 4 14 Hours  Course H:  H1  H2  Brake Suptems & Components  Brake Fundamentals & Components  Components & Circuits  Brake Suspension Systems & Frames  Level 2 20 Hours  Level 2 14 Hours  Level 4 14 Hours  Level 4 14 Hours  Als Systems  & Power Assist Units  Fundamentals & Traction Control  Suspension Systems & Frames  Level 2 15 Hours  Level 4 14 Hours  Level 4 14 Hours  Level 4 17 Hours  Level 8 Power Assist Units  Brake Systems & Power Assist Units  Electrical & Fundamentals  Total - 81 Hours  Level 1 20 Hours  Level 2 15 Hours  Level 3 25 Hours  Level 4 21 Hours  Level 2 16 Hours  Components  Starting Systems  Charging Systems  Charging Systems  Charging Systems  Starting Systems  Charging Systems  Starting Systems  Charging Systems  Charging Systems  Starting Systems  Charging Systems  Charging Systems  Level 2 30 Hours  Level 3 10 Hours  Level 4 45 Hours  Level 2 30 Hours  Level 4 45 Hours  Level 2 30 Hours  Level 3 10 Hours  Level 4 45 Hours  Level 4 45 Hours  Diesel Fuel Injection, Engine Management  Engine Management  Engine Management  Exhaust Systems  Alternative Fuels	Drive Trains	Systems, Drivelines,		Axles		Multi Countershaft			
Steering Suspension & Frames   Tires & Wheel Assemblies   Alignment   Assemblies   Alignment   Assemblies   Alignment   Assemblies   Alignment   Alig	Total - 133 Hours	Level I	63 Hours	Level 2	30 Hours	Level 2	20 Hours	Level 2	20 Hours
Assemblies & Assemblies & Alignment & Frames  Course G  Cab & Chassis Course G  Course H: H1  H2  H3  H4  Brake Fundamentals & Hydraulic Accessories, Components & Circuits Course G  Air Brake Systems & Power Assist Units Course G  Air Brake Systems & Power Assist Units Course G  Air Brake Systems  A BS System Fundamentals & Power Assist Units Course G  Course G  Course G  Course G  Cab & Chassis Course G  Course H: H1  H2  H3  H4  Brake Systems & Power Assist Units Course G  Air Br	Course F:	F1		F2		F3			
Course G Cab & Chassis Cabs, Restraint Systems & Attached Equipment Evel 3 8 Hours Evel 3 8 Hours Evel 3 8 Hours Evel 4 14 Hours Course H: H1 H2 Brakes, Hydraulics & Components Evel 1 20 Hours Evel 2 15 Hours Evel 3 25 Hours Evel 4 21 Hours Evel 3 25 Hours Evel 4 21 Hours Evel 5 13 Evel 6 2 15 Hours Evel 7 25 Hours Evel 8 25 Hours Evel 9 3 30 Hours Evel 9 30 Hours Evel 1 25 Hours Evel 2 25 Hours Evel 2 30 Hours Evel 3 10 Hours Evel 4 45 Hours Evel 4 45 Hours Evel 9 3 10 Hours Evel 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours Evel 9 3 10 Hours Evel 1 4 45 Hours Evel 9 3 10 Hours	Steering, Suspension & Frames								
Cab & Chassis  Cabs, Restraint Systems & Altached Equipment  & Altached Equipment  Course H:  H1  Brakes, Hydraulics & Alta Fransport Refrigeration  Brake Fundamentals & Hydraulic Accessories, Components & Circuits  Alta Fransport Refrigeration  H2  H3  H4  Brake Systems  & Components  Brake Fundamentals & Hydraulic Accessories, Components & Circuits  Brake Fundamentals & Hydraulic Accessories, Components & Circuits  Evel 1 20 Hours  Level 2 15 Hours  Level 3 25 Hours  Level 4 21 Hours  Course I:  I1  I2  I3  I4  Electrical & Electronic Components  Components  Charging Systems  Charging Systems  Total – 190 Hours  Level 1 25 Hours  Level 2 25 Hours  Level 2 30 Hours  Level 2 30 Hours  Electronic Components  Components  Charging Systems  Charging Systems  Charging Systems  Electronic Control Systems  Electronic Control Systems  Electronic Control Systems, Programming & Scan Tools  Level 2 25 Hours  Level 3 10 Hours  Level 4 45 Hours  Fuel Systems  Fuel Systems  Alternative Fuel Systems  & Exhaust Systems	Total - 63 Hours		18 Hours		25 Hours	1	20 Hours		
Total - 62 Hours   Level 3	Course G  Cab & Chassis	Cabs, Restraint Systems				Trailer Fundamentals & Transport			
Course H: Brakes, Hydraulics & Air Systems  Brake Fundamentals & Components  Components & Circuits  Brake Fundamentals & Components & Circuits  Brake Fundamentals & Components & Circuits  Brake Systems & Power Assist Units & Traction Control  Level 1 20 Hours  Level 2 15 Hours  Level 3 25 Hours  Level 4 21 Hours  Course I:  I1 I1 I2 I2 I3 I3 I4  Electrical & Electronic Systems  Electrical Fundamentals Brasic Electronic Components  Electrical Fundamentals Brasic Electronic Components  Electronic Components  Components  Components  Evel 2 25 Hours  Level 2 30 Hours  Level 2 30 Hours  Level 2 30 Hours  Electronic Control Systems, Programming & Scan Tools  Level 2 25 Hours  Level 3 10 Hours  Level 4 45 Hours  Course J:  Fuel System Fundamentals, Gasoline Fuel Systems & Alternative Fuels  Electronic Control Systems  Electronic Control Systems, Programming & Scan Tools  Level 4 45 Hours  Diesel Fuel Injection, Engine Management & Exhaust Systems  & Exhaust Systems	Tatal 00 Hz av	1	0.11.	1	40.11.				
Brake Fundamentals & Components & Circuits & Air Brake Systems & Power Assist Units & Traction Control & Total – 81 Hours & Level 1 20 Hours & Level 2 15 Hours & Level 3 25 Hours & Level 4 21 Hours & Level 4 2 Hours & Level 2 30 Hours & Level 4 45 Ho	Course H:		8 Hours		40 Hours		14 Hours	H4	
Course I:  Electrical & Electronic Systems  Electrical Fundamentals  Electrical Fundamentals  Electrical Fundamentals  Electrical Fundamentals  Electronic Components  Evel 1 25 Hours  Level 2 25 Hours  Evel 2 30 Hours  Electronic Control  Systems  Fuel Systems  Electronic Control  Systems, Programming  & Scan Tools  Level 2 25 Hours  Level 3 10 Hours  Level 4 45 Hours  Fuel Systems  Electronic Control  Systems, Programming  & Scan Tools  Level 2 25 Hours  Level 3 10 Hours  Evel 4 45 Hours  Fuel Systems  Electronic Control  Systems, Programming  Electronic Control  Systems  E	Brakes, Hydraulics & Air Systems							Fundamentals	
Course I:  Electrical & Electronic Systems  Electrical Fundamentals  Electrical Fundamentals  Electrical Fundamentals  Electrical Fundamentals  Electronic Components  Evel 1 25 Hours  Level 2 25 Hours  Evel 2 30 Hours  Electronic Control  Systems  Fuel Systems  Electronic Control  Systems, Programming  & Scan Tools  Level 2 25 Hours  Level 3 10 Hours  Level 4 45 Hours  Fuel Systems  Electronic Control  Systems, Programming  & Scan Tools  Level 2 25 Hours  Level 3 10 Hours  Evel 4 45 Hours  Fuel Systems  Electronic Control  Systems, Programming  Electronic Control  Systems  E	Total - 81 Hours	Levell	20 Hours	Level 2	15 Houre	Level 3	25 Hours	Level 4	21 Hours
Components  Course 2 25 Hours  Course 2 25 Hours  Course 3 10 Hours  Course 4 45 Hours  Course 5 Fuel Systems  Course 4 45 Hours  Course 4 45 Hours  Course 5 Fuel Systems  Course 6 Fuel Injection, Engine Management & Exhaust Systems  Course 6 Fuel Injection, Engine Management & Exhaust Systems	Course I:		20 1 IUUI 3		10 110015		20110015		21110013
Body Electrical and Lighting Systems  Spark Ignition Systems  Electronic Control Systems, Programming & Scan Tools  Level 2 25 Hours Level 3 10 Hours Level 4 45 Hours  Course J:  J1  Fuel System  Fuel System Fundamentals, Gasoline Fuel Systems & Alternative Fuels  I7  Electronic Control Systems, Programming & Scan Tools  Level 4 45 Hours  Diesel Fuel Injection, Engine Management & Exhaust Systems  & Exhaust Systems	Electrical & Electronic Systems	Electrical Fundamentals				Starting Systems		Charging Systems	
Body Electrical and Lighting Systems  Spark Ignition Systems  Electronic Control Systems, Programming & Scan Tools  Level 2 25 Hours  Level 3 10 Hours  Level 4 45 Hours  Fuel Systems  Fuel System  Fuel Systems  Electronic Control Systems, Programming & Scan Tools  Level 2 25 Hours  Level 3 10 Hours  Level 4 45 Hours  Diesel Fuel Injection, Engine Management & Exhaust Systems  & Exhaust Systems	Total – 190 Hours	Level 1	25 Hours	Level 2	25 Hours	Level 2	30 Hours	Level 2	30 Hours
Fuel Systems  Fuel System Fundamentals, Gasoline Fuel Systems & Alternative Fuels  Fuel Systems & Exhaust Systems		Body Electrical and Lighting Systems		Spark Ignition Systems		Electronic Control Systems, Programming & Scan Tools			
Fuel Systems  Fuel System Fundamentals, Gasoline Fuel Systems & Alternative Fuels  Diesel Fuel Injection, Engine Management & Exhaust Systems	0		25 Hours		10 Hours	Level 4	45 Hours	J	
Fundamentals, Gasoline Fuel Systems & Alternative Fuels  Engine Management & Exhaust Systems	Course J:	J1		J2					
Total – 70 Hours Level 3 10 Hours Level 3 60 Hours	Fuel Systems	Fundamenta Fuel System	als, Gasoline is	Engine Management					
	Total - 70 Hours	Level 3	10 Hours	Level 3	60 Hours				