

Profile Chart: Diesel Engine Mechanic (DEM) - Technical Training

Course A: OCCUPATIONAL SKILLS	A1 Orientation I: Structure and Scope of Diesel Engine Mechanic Trade Learning Level: 1 Hours: 7	A2 Trade Safety Awareness Level: 1 Hours: 7	A3 Orientation II: The Job of Journeywork Level: 3 Hours: 21	A4 Tools and Equipment Level: 1 Hours: 35	A5 Planning and Communication Skills Level: 1 Hours: 7
	A6 Trade Related Mathematics Level: 1 Hours: 14	A7 Access, Hoisting, Lifting, and Rigging Equipment Level: 1 Hours: 7	A8 Computer Applications Level: 1 Hours: 7	A9 Trade Related Documents Level: 1 Hours: 7	A10 Fasteners, Adhesives and other Consumables Level: 1 Hours: 7
	A11 Standards and Regulations (General and Industry-Specific) Level: 1 Hours: 14	A12 Commissioning and Decommissioning Equipment Level: 3 Hours: 7	A13 Welding Level: 1 Hours: 42	A14 Pre-Provincial Review Level: 3 Hours: 63	
Course B: DIESEL ENGINES AND FUEL/EXHAUST SYSTEMS	B1 Fundamentals of Diesel Engines Level: 1 Hours: 28	B2 Diesel Engine Internal Components Level: 1 Hours: 70	B3 Diesel Engine Support Systems Level: 1 Hours: 21	B4 Diesel Engine Fuel and Exhaust Systems Level: 2 Hours: 63	
Course C: DRIVEN SYSTEMS	C1 Driven Systems Level: 2 Hours: 28	C2 Drivetrains Level: 2 Hours: 28	C3 Diesel Engine Hydraulic & Hydrostatic Drive Systems Level: 3 Hours: 35		
Course D: SUSPENSION AND BRAKING SYSTEMS	D1 Braking Systems Level: 2 Hours: 28	D2 Trucks and Suspension Systems Level: 2 Hours: 14	D3 Wheel Assemblies / Traction-Motor Level: 2 Hours: 28	D4 Undercarriage trucks Level: 2 Hours: 21	
Course E: ELECTRICAL AND CONTROL SYSTEMS	E1 Basic Electrical Principles and Testing Level: 1 Hours: 42	E2 Electronic Control Systems Level: 3 Hours: 35	E3 Diesel Engine Starting and Charging Systems Level: 2 Hours: 21	E4 Diesel Engine Accessory Systems Level: 2 Hours: 14	E5 Diesel Engine Power Generator Systems Level: 3 Hours: 21
Course F: STRUCTURAL/CABIN COMPONENTS AND CLIMATE CONTROL SYSTEMS	F1 Diesel Engine Cab Structures and Interiors, Buildings, and Related Components Level: 3 Hours: 14	F2 Diesel Engine Climate Control Systems Level: 3 Hours: 14			