

Profile Chart: Sheet Metal Worker – Technical Training

Course A: OCCUPATIONAL SKILLS	A1 Orientation I: Structure and Scope of Sheet Metal Worker Level: 1 Hours: 7	A2 Orientation II: The Job of Journeywork Level: 4 Hours: 7	A3 Trade Safety Awareness Level: 1 Hours: 7	A4 Communication Level: 1 Hours: 16	A5 Tools and Equipment Level: 1 Hours: 21
	A6 Elevating Devices Level: 1 Hours: 4	A7 Metallurgy Level: 1 Hours: 7	A8 Introduction to Gas Metal Arc Welding (GMAW) Level: 1 Hours: 20	A9 Advanced Gas Metal Arc Welding (GMAW) Level: 2 Hours: 24	A10 Plasma Arc Cutting Level: 1 Hours: 4
	A11 Soldering Level: 1 Hours: 7	A12 Pattern Development and Layout Level: 1 Hours: 35	A13 Basic Hoisting, Lifting and Rigging Level: 1 Hours: 4	A14 Intro. To Blueprint Reading/Specifications Level: 2 Hours: 20	A15 Blueprint Reading/Specifications Level: 3 Hours: 35
	A16 Advanced Blueprint Reading/Specifications Level: 4 Hours: 35	A17 Introduction to Gas Tungsten Arc Welding (GTAW) Level: 2 Hours: 20	A18 Advanced Gas Tungsten Arc Welding (GTAW) Level: 3 Hours: 35	A19 Duct System Design Level: 3 Hours: 35	A20 Shielded Metal Arc Welding (SMAW) Level: 4 Hours: 20
	A21 Oxy-fuel Cutting, Heating and Brazing Level: 4 Hours: 15	A22 Pre-Inter-Provincial Review Level: 4 Hours: 28			
Course B: TRADE MATHEMATICS and SCIENCE	B1 Trade Mathematics I Level: 1 Hours: 24	B2 Trade Mathematics II Level: 2 Hours: 24	B3 Trade Mathematics III Level: 3 Hours: 24	B4 Trade Mathematics IV Level: 3 Hours: 24	B5 Science I Level: 2 Hours: 24
	B6 Science II Level: 3 Hours: 24	B7 Science III Level: 4 Hours: 24			
Course C: SHEET METAL FABRICATION	C1 Drafting Level: 1 Hours: 20	C2 Simple Layout Level: 1 Hours: 14	C3 Trade Related Documents Level: 2 Hours: 21	C4 Fabrication Fundamentals Level: 1 Hours: 48	C5 Fabrication (Air Handling Systems and Components) Level: 2 Hours: 50
	C6 Fabrication (Material Handling Systems and Components) Level: 4 Hours: 35	C7 Parallel Line Development I Level: 1 Hours: 14	C8 Parallel Line Development II Level: 2 Hours: 14	C9 Parallel Line Development III Level: 3 Hours: 30	C10 Radial Line Development I Level: 1 Hours: 14
	C11 Radial Line Development II Level: 2 Hours: 14	C12 Radial Line Development III Level: 3 Hours: 31	C13 Triangulation I Level: 1 Hours: 14	C14 Triangulation II Level: 2 Hours: 14	C15 Triangulation III Level: 3 Hours: 31
Course D: AIR AND MATERIAL HANDLING SYSTEM INSTALLATION	D1 Installation (Air Handling Systems) Level: 2 Hours: 35	D2 Installation (Material Handling Systems) Level: 4 Hours: 7	D3 Chimneys, Breeching and Venting Level: 2 Hours: 20	D4 Air Quality Management Level: 3 Hours: 35	
Course E: ROOFING, ARCHITECTURAL METAL AND SPECIALTY PRODUCT INSTALLATION	E1 Metal Roofing and Architectural Metal Level: 4 Hours: 7	E2 Specialty Products Level: 4 Hours: 28			
Course F: MAINTENANCE AND REPAIR	F1 Maintenance and Repair (Air and Material Handling Systems) Level: 4 Hours: 28	F2 Testing, Adjusting and Balancing (Air and Material Handling Systems) Level: 4 Hours: 22			