

Level Chart: Boilermaker - Technical Training

Level One (8 Weeks) (280 hours)				Level Two (8 Weeks) (280 hours)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A1	Trade Safety Awareness	7		B4	Block and Tackle	20	
A2	Orientation I: Structure/Scope of Trade	7		B5	Wire Rope Drums , Aerial Access and Equipment and Scaffolds	7	8
A3	Common Hazards	14		B6	Lifting Practices	20	
A4	Safety Equipment , W.C.B. and Interpersonal and Essential Skills	11		C5	Drawing Interpretation One	24	
A5	Emergency First Aid and C.P.R.	8		C6	Layout and Fabricating	42	
B1	Ropes	19		D3	Cutting, Welding and Related Processes	41	26
B2	Hoisting	12		E6	Fibreglass Fitting	12	
B3	Wire Rope and Attachments	10		E7	Trade Mathematics Two	25	
C1	Basic Materials	12		E8	Power Tools (Electric and Pneumatic)	8	7
C2	Materials Preparation and Assembly	8		E9	Instruments and Shop Equipment	25	
C3	Basic Drafting	24		E10	Metallurgy Two	7	
C4	Introduction to Layout	8		E11	Heat Treatment	8	
D1	Electric Arc Welding	9	26				
D2	Oxy-fuel Cutting	15	15				
E1	Trade Mathematics One	25					
E2	Hand and Power Tools	7	8				
E3	Metallurgy One	15					
E4	Trade Related Components	10					
E5	Identification of Pressure Vessels	10					
	Subtotals	231	49		Subtotals	228	52
	Total	(280)			Total	(280)	

Level Three (8 Weeks) (280 hours)			
Code	Unit Title	T	P
A6	Orientation II: Journeywork	7	
A7	Pre-IP Review: Examination Review	11	
A8	Business Practices	10	
B7	Advanced Block and Tackle	12	
B8	Advanced Cranes	10	
B9	Hoisting and Jacking Equipment and Engineered Lifts	13	
C7	Drawing Interpretation Two	7	
C8	Layout		30
E12	Inspection/ Testing of Materials	20	
E13	Fitting	30	
E14	Trade Mathematics Three	20	
E15	Advanced Metallurgy	10	
F1	Boilers	20	10
F2	Condensers and Exchangers	30	
F3	Tanks	30	
F4	Introduction to Other Heavy Industries	10	
	Subtotals	240	40
	Total	(280)	

Note: "The PAC has not mandated specific practicum projects; however, they will be monitoring on an ongoing basis and may mandate specific projects in the future. The expectation is that 50 hours of Boilermaker shop time will occur over and above the identified welding practical hours. The practical time would be adjusted per unit at the discretion of the instructor."