

Level Chart: Power Electrician - Technical Training

Level One (10 Weeks)				Level Two (10 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A1	Electrical Code I	90	40	B1	Electrical Code II	99	21
A2	DC and Electrical Fundamentals	120	0	B2	AC Fundamentals	90	0
A3	Mathematics and Sciences	60	0	B3	Control Systems	45	25
A4	Computers	5	10	B4	Electronic Concepts I	25	15
A5	Communications with Co-workers and Others	5	10	B5	DC Machines/Controls	20	10
A6	Trade Safety Awareness	10	0				
	Subtotals	290	60		Subtotals	279	71
	Total	350 Hours			Total	350 Hours	

Level Three (10 Weeks)				Level Four (10 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
C1	Electrical Code III	60	0	D1	Electrical Code IV	45	
C2	Three Phase Theory and Transformers (excludes Power Quality)	90	0	D2	Microprocessor-based Control and Monitoring Systems (PLCs) and Control Systems	20	25
C3	Electronic Concepts II	21	24	D3	Electronic Concepts III (Power Electronics)	82	
C4	PLCs/Control Systems (includes Maths)	65	25	D4	Power Quality	13	
C5	Breakers/Fuses/Disconnects/Bus/Preventive Maintenance	33	2	D5	Digital Logic Concepts	25	15
C6	AC Machines	30	0	D6	Relay and Protection Systems	39	
				D7	Governor/Excitation Equipment	21	
				D8	Metering	30	
				D9	Provincial Electrical Requirements	35	
	Subtotals	299	51		Subtotals	310	40
	Total	350 Hours			Total	350 Hours	