Apprenticeship Manitoba

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	Learning About Work	10	0	B1	Commercial Electrical Code	60	0
A2	Trade Safety Awareness	10	0	B2	Commercial Code Applications	45	15
A3	Computer and Communication Skills	20	10	B3	AC Fundamentals	90	0
A4	Trade Related Mathematics and Science	50	0	B4	Motor Controls	40	30
A5	Residential Electrical Code	90	0	B5	Electronic Concepts I	30	10
A6	Residential Wiring Practices	10	30	B6	DC Machines and Controls	25	5
A7	DC Fundamentals	60	0				
A8	DC Circuit Analysis	50	10				
	Subtotals	**300**	**50**		**Subtotals**	**290**	**60**
	Total	**350 Hours**			**Total**	**350 Hours**	

* Common core levels for Construction Electrician, Industrial Electrician and Power Electrician

Level Three (10 Weeks)				Level Four (10 Weeks)			
Code	**Unit Title**	**T**	**P**	**Code**	**Unit Title**	**T**	**P**
C1	Electrical Code for Industrial Applications I	60	0	D1	Electrical Code for Industrial Applications II	20	25
C2	Three-Phase Circuit Analysis and Transformers	85	5	D2	Metering	30	0
C3	Electronic Concepts II	20	30	D3	Automation	20	30
C4	Industrial Control Systems	60	30	D4	Electronic Concepts III	70	10
C5	Interrupting Equipment	20	0	D5	Power Quality	20	0
C6	AC Machines, Governors and Exciters	40	0	D6	Digital Logic Concepts	25	15
				D7	Relay and Protection Systems	40	0
				D8	Journeyperson Trainer	10	0
				D9	Pre-Provincial Exam Review	35	0
	Subtotals	**285**	**65**		**Subtotals**	**270**	**80**
	Total	**350 Hours**			**Total**	**350 Hours**	

T – Theory hours
P – Practical hours

Manitoba