

## Level Chart: Industrial 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 Math 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				
	<b>Subtotals</b>	<b>300</b>	<b>50</b>		<b>Subtotals</b>	<b>290</b>	<b>60</b>
	<b>Total</b>	<b>350 Hours</b>			<b>Total</b>	<b>350 Hours</b>	

\* 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	Industrial Electrical Code I	77	0	D1	Industrial Electrical Code II	42	0
C2	Three Phase Theory and Transformers	56	21	D2	Industrial Control Systems II	35	42
C3	Power Quality	7	0	D3	Electronic Concepts III	28	21
C4	Electronic Concepts II	21	21	D4	AC and DC Variable Speed Motor Drives	28	21
C5	Industrial Control Systems I	38	39	D5	Predictive and Preventive Maintenance II	35	7
C6	AC Machines and Controls	17	18	D6	Hydraulic and Pneumatic Power Control Systems	3	4
C7	Predictive and Preventive Maintenance I	17	18	D7	Electrical Measuring Systems	17	18
				D8	Journeyman Trainer	7	0
				D9	Pre-IP Exam Review	42	0
	<b>Subtotals</b>	<b>233</b>	<b>117</b>		<b>Subtotals</b>	<b>237</b>	<b>113</b>
	<b>Total</b>	<b>350 Hours</b>			<b>Total</b>	<b>350 Hours</b>	

T – Theory hours

P – Practical hours