

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 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 | | | | |
| 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 | 30 | 0 | D2 | AC Machines | 30 | 0 |
| C3 | Power Transformers | 55 | 5 | D3 | Automation | 20 | 30 |
| C4 | Electronic Concepts II | 20 | 30 | D4 | Power Electronics | 70 | 10 |
| C5 | Industrial Control Systems | 60 | 30 | D5 | Power Quality | 20 | 0 |
| C6 | Interrupting Equipment and Electrical Bus Networks | 20 | 0 | D6 | Digital Logic Concepts | 25 | 15 |
| C7 | Governor and Excitation Equipment | 10 | 0 | D7 | Relay and Protection Systems | 40 | 0 |
| C8 | Metering | 30 | 0 | D8 | Journeyman 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