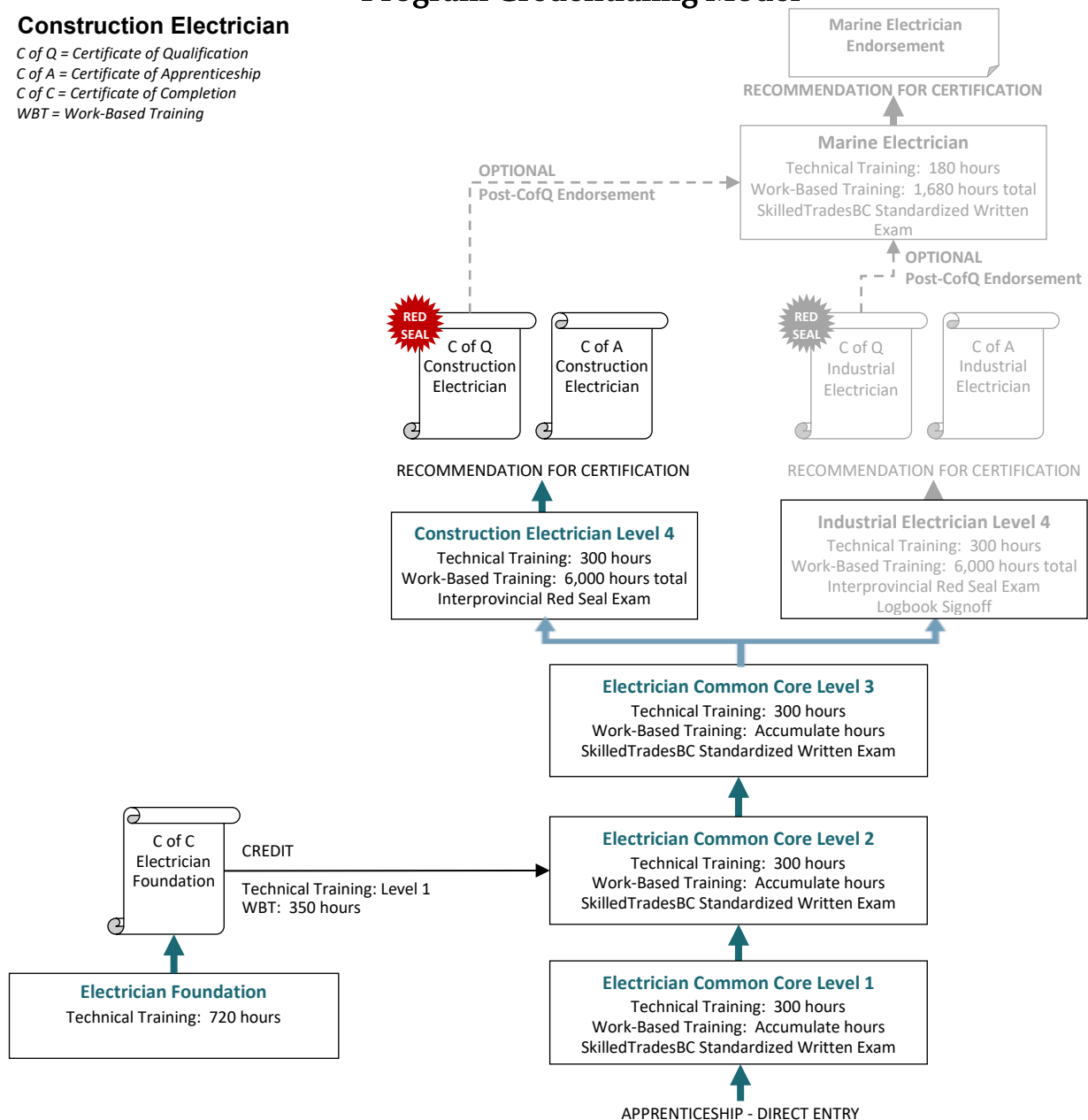


Program Credentialing Model

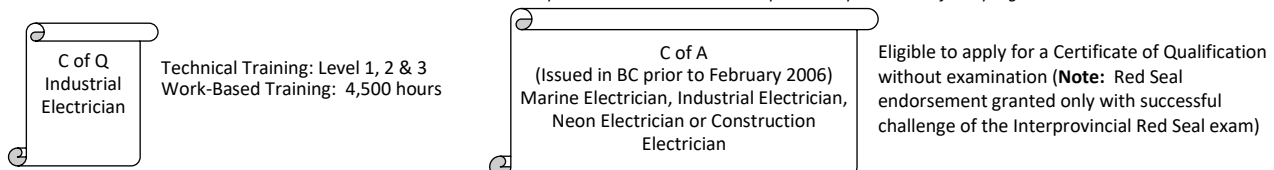
Construction Electrician

C of Q = Certificate of Qualification
C of A = Certificate of Apprenticeship
C of C = Certificate of Completion
WBT = Work-Based Training



CROSS-PROGRAM CREDITS

Individuals who hold the credentials listed below are entitled to receive partial credit toward the completion requirements of this program



Training Topics and Suggested Time Allocation: Level 1

ELECTRICIAN COMMON CORE- LEVEL 1

		% of Time Allocated to:			
		% of Time	Theory	Practical	Total
Line A	APPLY CIRCUIT CONCEPTS	56%	90%	10%	100%
A1	Use electrical circuit concepts		✓	✓	
A2	Analyze DC circuits		✓	✓	
A3	Analyze principles of electromagnetism		✓		
A6	Analyze electronic circuits		✓	✓	
Line B	PERFORM SAFETY-RELATED FUNCTIONS	3%	95%	5%	100%
B1	Use personal protection equipment (PPE) and safety equipment		✓		
B2	Maintain safe work environment		✓		
B3	Perform lock-out and tag-out procedures		✓	✓	
Line C	USE TOOLS AND EQUIPMENT	2%	90%	10%	100%
C4	Use measuring and testing equipment		✓	✓	
Line D	ORGANIZE WORK	8%	100%	0%	100%
D1	Interpret plans, drawings and specifications		✓		
D2	Use Canadian Electrical Code (CEC)		✓		
Line G	USE COMMUNICATION AND MENTORING TECHNIQUES	1%	100%	0%	100%
G2	Use mentoring techniques		✓		
Line H	INSTALL AND MAINTAIN CONSUMER/SUPPLY SERVICES AND METERING EQUIPMENT	4%	100%	0%	100%
H1	Install single-phase consumer/supply services and metering equipment		✓		
H3	Maintain single-phase services and metering equipment		✓		
Line I	INSTALL AND MAINTAIN PROTECTION DEVICE	2%	100%	0%	100%
I2	Install ground fault, arc fault and surge protection devices		✓		
Line J	INSTALL AND MAINTAIN LOW VOLTAGE DISTRIBUTION SYSTEMS	2%	100%	0%	100%
J1	Install low voltage distribution equipment		✓		
Line L	INSTALL AND MAINTAIN BONDING, GROUNDING AND GROUND FAULT DETECTION SYSTEMS	2%	100%	0%	100%
L1	Install grounding and bonding systems		✓		
Line Q	INSTALL AND MAINTAIN RACEWAYS, CABLES AND ENCLOSURES	4%	100%	0%	100%
Q1	Install conductors and cables		✓		

		% of Time Allocated to:			
		% of Time	Theory	Practical	Total
Q2	Install raceways, boxes and fittings		✓		
Line R	INSTALL AND MAINTAIN BRANCH CIRCUITRY	6%	90%	10%	100%
R1	Install luminaires		✓		
R2	Install wiring devices		✓		
R3	Install lighting controls		✓	✓	
R4	Install lighting standards		✓		
Line V	INSTALL AND MAINTAIN MOTOR STARTERS AND CONTROLS	8%	90%	10%	100%
V1	Install motor starters and controls		✓	✓	
V2	Maintain motor starters and controls		✓		
Line AA	INSTALL AND MAINTAIN COMMUNICATION SYSTEMS	2%	75%	25%	100%
AA1	Install voice/data/video (VDV) systems		✓	✓	
Total Percentage for Electrician Common Core Level 1		100%			