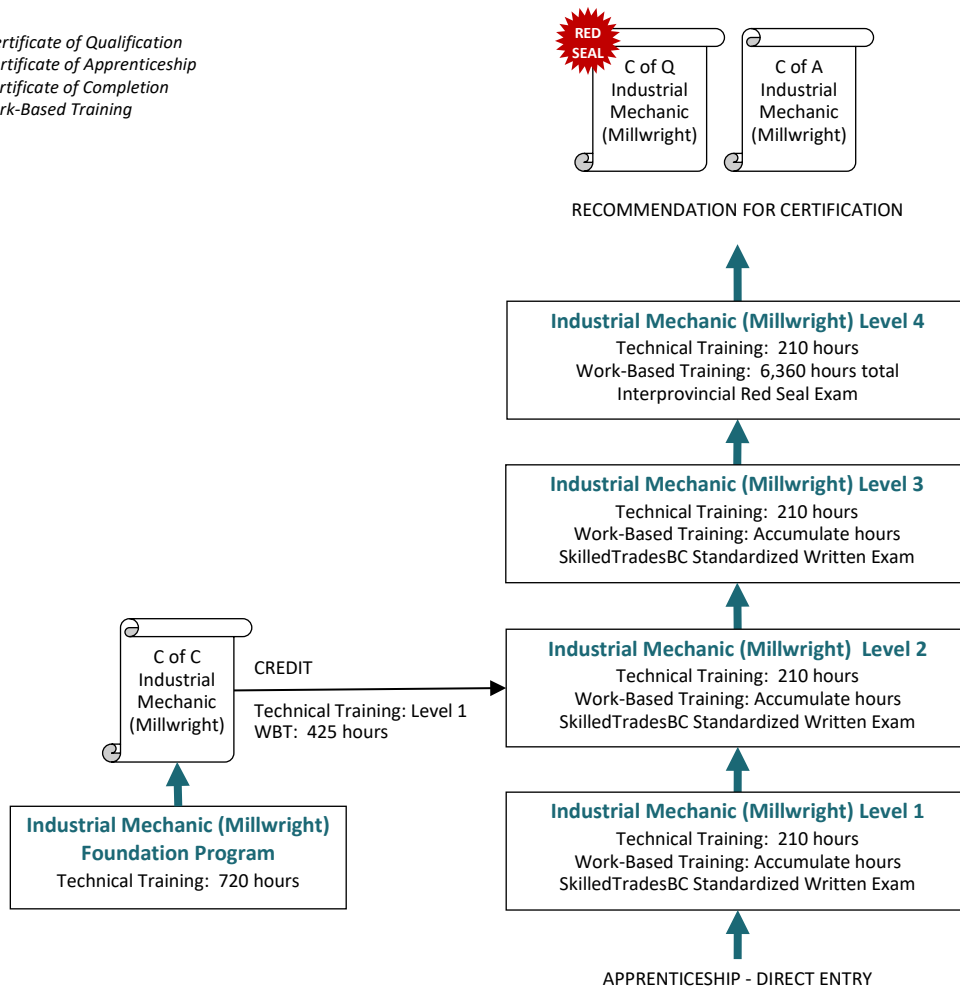


Program Credentialing Model

Apprenticeship Pathway

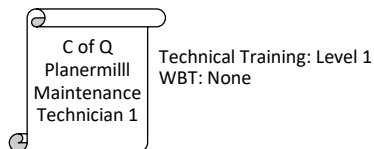
This graphic provides an overview of the Industrial Mechanic (Millwright) apprenticeship pathway.

*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

INDUSTRIAL MECHANIC (MILLWRIGHT) – LEVEL 1

		% of Time Allocated to:			
		% of Time	Theory	Practical	Total
Line A	PERFORM SAFETY RELATED FUNCTIONS	17%	90%	10%	100%
A1	Use codes, regulations and standards		✓		
A2	Use personal protective equipment (PPE) and safety equipment		✓	✓	
A3	Maintain safe worksite		✓	✓	
A4	Perform lock-out, tag-out and zero energy procedures		✓	✓	
Line B	USE TOOLS AND EQUIPMENT	22%	70%	30%	100%
B1	Use hand and portable power tools		✓	✓	
B2	Use shop machines		✓	✓	
B3	Use access equipment		✓	✓	
Line C	PERFORM ROUTINE TRADE ACTIVITIES	30%	90%	10%	100%
C1	Use mathematics and science		✓		
C3	Lubricate systems and components		✓		
C4	Perform leveling of components and systems		✓		
C5	Use fastening and retaining devices		✓	✓	
C6	Use manufacturer, supplier and reference documentation		✓		
C9	Use mechanical drawings and specifications		✓	✓	
Line D	USE COMMUNICATION AND MENTORING TECHNIQUES	2%	100%	0%	100%
D1	Use communication techniques		✓		
Line E	PERFORM MEASURING AND LAYOUT OF WORK PIECE	6%	70%	30%	100%
E1	Prepare work area, tools and equipment		✓	✓	
E2	Layout and fabricate work piece		✓	✓	
Line F	PERFORM CUTTING AND WELDING OPERATIONS	13%	25%	75%	100%
F1	Cut material with oxy-fuel and plasma arc cutting equipment		✓		
Line G	PERFORM RIGGING, HOISTING/LIFTING AND MOVING	10%	75%	25%	100%
G1	Select and use sling and rigging attachments		✓		
G2	Select and use hoisting and lifting equipment		✓		
G3	Create a rigging plan		✓		
Total Percentage for Millwright Level 1		100%			