

## OFFICIAL PROGRAM STANDARDS NOTICE (OPSN)

Issued: September 5, 2025

**Program:** Ironworker (Generalist)

**To:** SkilledTradesBC Training Providers  
Articulation Committee Chair  
System Liaison Person  
Youth Train in Trades School Districts

**Subject:** **Ironworker (Generalist) Program Outline and Program Profile Update**

**OPSN No.:** OPSN 2025 015

**Effective Date:** January 1, 2026

**Summary of Change:** Please be advised that a revised Program Outline and Program Profile have been posted to the [SkilledTradesBC website](#) for implementation January 1, 2026.

**Details:** The Ironworker (Generalist) Program Review was conducted between December 2024 and May 2025 to align BC's Ironworker (Generalist) Program Outline to the 2025 Red Seal Occupational Standard (RSOS). The review process resulted in revised content to meet the current industry standard.

There are no changes to the trade name, total training hours, or number of training levels. There are some changes to the sequencing of technical training, which are outlined in the attached competency migration chart.

All levels of the revised program will be implemented on January 1, 2026. Please view the attached implementation plan for details.

**Attachments:** Ironworker (Generalist) Implementation Plan  
Ironworker (Generalist) Competency Migration Chart

**For more information contact:** Program Standards Team:  
[programstandards@skilledtradesbc.ca](mailto:programstandards@skilledtradesbc.ca)

**cc:** All SkilledTradesBC Staff

# Implementation *Plan*

## HARMONIZATION OVERVIEW

The Canadian Council of Directors of Apprenticeship (CCDA) is responsible for the Red Seal Program, which develops common interprovincial standards and examinations. The CCDA Harmonization Initiative was introduced with the goal of substantively aligning apprenticeship systems across Canada by making apprenticeship training requirements more consistent in the Red Seal trades.

The 4 Harmonization Priorities are:

1. Use of Red Seal **trade name**
2. Consistent **total training hours** (in-school and on-the-job)
3. Same number of **training levels**
4. Consistent **sequencing** of training content, including use of most recent Red Seal Occupational Standard (RSOS).

The Ironworker (Generalist) program was initially reviewed as part of the harmonization initiative in 2015.

After initial harmonization, the Red Seal Occupational Standard (RSOS) is reviewed periodically to ensure continued national alignment and to capture current trends, technologies, and practices in the trade.

The Ironworker (Generalist) RSOS was subsequently reviewed in 2024 and published in 2025; a revised BC Program Outline is now being implemented on **January 1, 2026** to align to these revisions.

## SUMMARY OF PROGRAM CHANGES

There are no changes to the **trade name**, **total training hours**, or **training levels**. These remain:

Trade Name	Ironworker (Generalist)
Technical Training (TT)	660
Work-Based Training (WBT)	4,740
<b>Total Training Hours (TT + WBT)</b>	<b>5,400</b>
<b>Training Levels</b>	<b>3</b>

There are some changes to the **sequencing of training content**, as captured in the **Gaps and Overlaps** section at the end of this document.

## PROGRAM DEVELOPMENT TIMELINES

Activity	Timeframe
Program Outline Workshops	December 2024; May 2025
Program Outline/Profile Draft Review	January-April 2025
Standardized Level Exam (SLE) redevelopment	June-October 2025
Implementation Planning	August 2025
<b>Launch date</b>	<b>January 1, 2026</b>

## PROGRAM TRANSITION SUMMARY

The SkilledTradesBC Program Standards team consulted with the post-secondary training provider that delivers the Ironworker (Generalist) program and considered the input of our internal and external partners in determining the impact of implementing the revised program. The impacts are determined to be minimal and can be mitigated without the requirement for formal mechanisms such as gap training or training provider support.

**All levels of the revised program will be implemented on the same date.**

<b>Year 0</b> 01/25	2015.L1	2015.L2	2015.L3
<b>Year 1</b> 01/26	2026.L1	2026.L2	2026.L3

## EXAMS FOR THE 2026 PROGRAM

### Revised Exams

Revised Standardized Level Exams (SLEs) are undergoing development and validation to align to the revised program.

**What is the final mark for apprentices based on if there is no SLE?**

For classes that end before the launch of the revised SLE, the final mark for the level will be based solely on in-school assessments.

**How will training providers be informed of the launch of an SLE?**

An OPSN will be sent to announce the launch of the revised SLEs.

# Program *Data*

## TRAINING PROVIDERS

- British Columbia Institute of Technology (BCIT)

## APPRENTICES

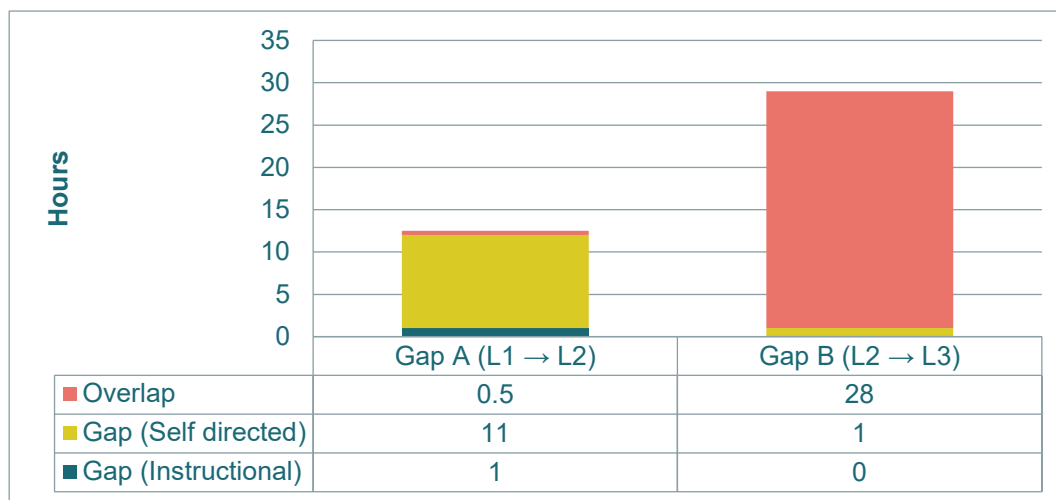
Program Registrations as of August 1, 2025

Program	Status	0TT	2015.L1	2015.L2	2015.L3	Total
Ironworker (Generalist)	Active	99	68	26	45	238
	Inactive	150	36	17	46	249
	<b>Total</b>	<b>249</b>	<b>104</b>	<b>43</b>	<b>91</b>	<b>487</b>

### Notes:

- 0TT:** Apprentices who are registered with SkilledTradesBC but haven't completed any technical training.
- 2015.L3s:** TWs who have completed 2015.L3 are not considered in transition planning as they will not be impacted by the implementation of revised training.
- Active:** Apprentices for whom activity has been logged with SkilledTradesBC within the last 18 months.
- Inactive:** Apprentices for whom **no** activity has been logged with SkilledTradesBC within the last 18 months.

# Gaps and *Overlaps*



## GAPS AND OVERLAPS

A **Gap** is an estimate of the hours of technical training content **that an apprentice will be missing if they transition** from the 2015 program to the 2026 program (2015→2026) at a specific level. An apprentice will only transition to the 2026 program once so will only face a gap in their training at that one point.

**Gap A (2015.L1→2026.L2)** is the technical training content that an apprentice who has completed Level 1 will be missing if they transition into 2026 Level 2.

**Gap B (2015.L2→2026.L3)** is the technical training content that an apprentice who has completed Levels 1 and 2 will be missing if they transition into 2026 Level 3.

An **Overlap** is an estimate of the hours of technical training content that an apprentice will be repeating if they transition from the current program to the 2026 program (2015→2026) at a specific level.

## INSTRUCTIONAL HOURS AND SELF-DIRECTED LEARNING HOURS

**Instructional Hours** consist of the missing content that requires instructional time to address. It is critical to the apprentice's success and is unlikely to be learnt without intervention.

**Self-Directed Learning Hours** consist of the missing content that an apprentice will likely learn in the context of other tasks or levels in technical training, on the job, or through self-study. It is not considered critical to the apprentice's success.

## Ironworker (Generalist) (2026) Implementation Plan

### GAP A: 2015.L1 → 2026.L2

This table lists the content that an apprentice will be **missing** if they have completed Level 1 (2015.L1) and then take the revised Level 2 (2026.L2).

Competency	Missing Content	Achievement Criteria	Content Migration	Instructional Hours*	Self-directed Hours**
A3 Participate in healthy and respectful work environment	New competency from revised RSOS. Learning tasks: <ul style="list-style-type: none"> <li>Describe personal health and well-being</li> <li>Describe techniques to manage personal health and well-being</li> <li>Describe aspects of professionalism</li> </ul>		NEW	1	1
B6 Use welding and thermal cutting equipment	Learning task: <ul style="list-style-type: none"> <li>Describe FCAW welding</li> </ul>	The learner will be able to set up a welding machine for FCAW and perform single pass fillet and multi-pass fillet weld.	NEW	0 <i>Note: May be an opportunity to use FCAW as part of stair project in K2</i>	2
F1 Apply the Principles of Erecting Structural Components	Learning Task: <ul style="list-style-type: none"> <li>Identify structural components, members, and functions</li> <li>Mass timber members and components</li> </ul>		NEW	0	8 hours combined in F1 and F2
F2 Install Structural Members	Learning Task: <ul style="list-style-type: none"> <li>Describe fastening of structural mass timber members</li> </ul>		NEW		
			<b>TOTAL</b>	<b>1 hour</b>	<b>11 hours</b>

\***Instructional Hours** are hours of content that an apprentice would need dedicated instruction to cover.

\*\***Self-Directed Hours** are hours of content that an apprentice would be able to cover through self-study, on the job or in the context of other tasks/levels.

### OVERLAP A: 2015.L1 → 2026.L2

This table lists the content that an apprentice will be **repeating** if they have completed 2015.L1 and then take 2026.L2 and 2026.L3. Overlaps are identified so that instructors and apprentices are aware of the repeated content. There may be opportunities for transitioned 2015.L1 apprentices to use some of their overlap time to study their gap content.

Competency	Repeating Content	Content Migration	Hours
D3 Use Mechanical Moving Equipment	2015.L1 content combined into 2026.L3 Learning tasks: <ul style="list-style-type: none"> <li>Describe types of mechanical moving equipment.</li> <li>Describe uses for mechanical moving equipment.</li> <li>Use mechanical moving equipment.</li> </ul>	2015.L1/L3 -> 2026.L3	0.5
		<b>TOTAL</b>	<b>0.5 hours</b>

## Ironworker (Generalist) (2026) Implementation Plan

### GAP B: 2015.L2 → 2026.L3

This table lists the content that an apprentice will be **missing** if they have completed 2015.L2 and then take 2026.L3.  
*Note: See Gap A for total amount of content missing including 2025.L1 content.*

Competency	Missing Content	Achievement Criteria	Content Migration	Instructional Hours	Self-directed Hours
F3 Install Ornamental Components and Systems	Learning Task: Describe installation techniques for ornamental and miscellaneous components <ul style="list-style-type: none"> <li>Content:               <ul style="list-style-type: none"> <li>Mass timber</li> </ul> </li> </ul>		NEW	0	1
			<b>TOTAL</b>	<b>0 hours</b>	<b>1 hour</b>

### OVERLAP B: 2015.L2 → 2026.L3

This table lists the content that an apprentice will be **repeating** if they have completed 2015.L2 and then take 2026.L3.

Competency	Repeating Content	Content Migration	Hours
G1 Apply Principles of Reinforcing Concrete	Reinforcing codes and standards content moved from L2 to L3.	2015.L2 -> 2026.L3	6 hours
H3 Place Bonded Post-Tensioning Systems	Learning Tasks: <ul style="list-style-type: none"> <li>Describe bonded post-tensioning systems.</li> <li>Describe the placing of ducts and anchors and tendons.</li> <li>Describe the preparation of tendons for stressing.</li> <li>Describe the stressing of tendons.</li> <li>Describe the cutting, capping and grouting of tendons.</li> </ul>	2015.L2 -> 2026.L3	12 hours
J3 Level, plumb, align, and complete installation of structural members	Previously, installation was combined with finishing. Level, plumb, align, and complete structural members moved from 2015.L2 to 2026.L3 to align with the project completed at Level 3.  Learning tasks: <ul style="list-style-type: none"> <li>Use levelling, plumbing and alignment techniques for structural assemblies</li> <li>Pre-tension bolts</li> <li>Apply quality assurance</li> </ul> Achievement Criteria: <ul style="list-style-type: none"> <li>The learner will be able to perform a pre-installation verification of bolt assemblies.</li> </ul>	2015.L2 -> 2026.L3	6 hours
I2 Dismantle and Remove Structural, Mechanical and Miscellaneous Components	Mechanical and miscellaneous content moved from L2 to L3. Content on removing structural components is part of project in L3.	2015.L2 -> 2026.L2/L3	4 hours
		<b>TOTAL</b>	<b>28 hours</b>

2015.L = 2015 Ironworker (Generalist) Level (1, 2, 3)  
2026.L = 2026 Ironworker (Generalist) Level (1, 2, 3)  
RSOS = Red Seal Occupational Standard

Key  
Black Text = No change to level  
Blue Text = Content moved to lower level = 2015.L2 → 2026.L1.  
Purple Text = Content moved to higher level = 2015.L1 → 2026.L2.  
Green Text = New content added  
Red Text = Content removed

Summary - Competency Migration

The BC Occupational Analysis Chart (OAC) was aligned to the content of the 2025 Red Seal Occupational Standard (RSOS). Therefore, **competencies have been renamed and restructured**. This chart shows the finalized competency distribution for the Ironworker (Generalist) (2026) program. It summarizes the major changes to the competencies from the 2015 program to the 2026 program. For details, see the charts below.

2026 IRONWORKER (GENERALIST) LEVEL 1 (2026.L1)		2026 IRONWORKER (GENERALIST) LEVEL 2 (2026.L2)		2026 IRONWORKER (GENERALIST) LEVEL 3 (2026.L3)	
Line A	MAINTAIN SAFE AND HEALTHY WORKPLACE	Line A	MAINTAIN SAFE AND HEALTHY WORKPLACE	Line A	MAINTAIN SAFE AND HEALTHY WORKPLACE
	A1 Maintain safe work environment				
	A2 Use personal protective equipment (PPE) and safety equipment				
New from 2025 RSOS	A3 Participate in healthy and respectful work environment				
Line B	USE AND MAINTAIN TOOLS AND EQUIPMENT	Line B	USE AND MAINTAIN TOOLS AND EQUIPMENT	Line B	USE AND MAINTAIN TOOLS AND EQUIPMENT
	B1 Use hand tools				
	B2 Use power tools		B2 Use power tools		
	B3 Use access equipment				
New from 2025 RSOS	B4 Use material handling equipment				
	B5 Use measurement, layout, and surveying tools and equipment		B5 Use measurement, layout, and surveying tools and equipment		B5 Use measurement, layout, and surveying tools and equipment
	B6 Use welding and thermal cutting equipment		B6 Use welding and thermal cutting equipment		B6 Use welding and thermal cutting equipment
Line C	ORGANIZE WORK	Line C	ORGANIZE WORK	Line C	ORGANIZE WORK
	C1 Organize materials and supplies				
	C2 Perform layout				C2 Perform layout
	C3 Use drawings and documentation		C3 Use drawings and documentation		C3 Use drawings and documentation
					C4 Plan tasks
	C5 Use mathematics		C5 Use mathematics		C5 Use mathematics
Line D	USE COMMUNICATION, MENTORING, AND CONTINUOUS LEARNING TECHNIQUES	Line D	USE COMMUNICATION, MENTORING, AND CONTINUOUS LEARNING TECHNIQUES	Line D	USE COMMUNICATION, MENTORING, AND CONTINUOUS LEARNING TECHNIQUES
	D1 Use communication techniques				
				New from 2025 RSOS	D2 Use mentoring techniques



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2026 IRONWORKER (GENERALIST) LEVEL 1 (2026.L1)		2026 IRONWORKER (GENERALIST) LEVEL 2 (2026.L2)		2026 IRONWORKER (GENERALIST) LEVEL 3 (2026.L3)	
				New from 2025 RSOS	D3 Maintain continuous learning
Line E	PLAN LIFT	Line E	PLAN LIFT	Line E	PLAN LIFT
	E1 Assess load				
	E2 Perform pre-lift analysis				E2 Perform pre-lift analysis
	E3 Select rigging, hoisting, and positioning equipment				
	E4 Secure lift area				
Line F	USE RIGGING, HOISTING, AND POSITIONING EQUIPMENT	Line F	USE RIGGING, HOISTING, AND POSITIONING EQUIPMENT	Line F	USE RIGGING, HOISTING, AND POSITIONING EQUIPMENT
	F1 Inspect rigging, hoisting, and positioning equipment		F1 Inspect rigging, hoisting, and positioning equipment		F1 Inspect rigging, hoisting, and positioning equipment
	F2 Use ropes and slings		F2 Use ropes and slings		F2 Use ropes and slings
	F3 Use rigging and hoisting equipment		F3 Use rigging and hoisting equipment		F3 Use rigging and hoisting equipment
				2015.L1/L3 → 2026.L3	F4 Use mechanical moving equipment
	F5 Perform post-lift activities				F5 Perform post-lift activities
Line G	PERFORM MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES	Line G	PERFORM MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES	Line G	PERFORM MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES
	G1 Identify and mobilize cranes				
			G2 Erect lattice boom cranes, tower cranes, derricks and components		G2 Erect lattice boom cranes, tower cranes, derricks and components
					G3 Perform demobilization and disassembly of cranes
Line H	FABRICATE AND INSTALL REINFORCING MATERIALS	Line H	FABRICATE AND INSTALL REINFORCING MATERIALS	Line H	FABRICATE AND INSTALL REINFORCING MATERIALS
	H1 Apply fundamentals of reinforcing concrete			2015.L2/L3 → 2026.L3	H1 Apply fundamentals of reinforcing concrete
	H2 Cut and bend reinforcing materials		H2 Cut and bend reinforcing materials		
	H3 Place, tie, splice, and pre-fabricate reinforcing materials		H3 Place, tie, splice, and pre-fabricate reinforcing materials		
Line I	APPLY POST-TENSIONING TECHNIQUES	Line I	APPLY POST-TENSIONING TECHNIQUES	Line I	APPLY POST-TENSIONING TECHNIQUES

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2026 IRONWORKER (GENERALIST) LEVEL 1 (2026.L1)		2026 IRONWORKER (GENERALIST) LEVEL 2 (2026.L2)		2026 IRONWORKER (GENERALIST) LEVEL 3 (2026.L3)	
	I1 Describe fundamentals of pre-stressed systems				
2015.L1/L3 → 2026.L1	I2 Place unbonded post-tensioning systems				
				2015.L2 → 2026.L3	I3 Place multi-strand and bonded post-tensioning systems
Line J	INSTALL STRUCTURAL MEMBERS	Line J	INSTALL STRUCTURAL MEMBERS	Line J	INSTALL STRUCTURAL MEMBERS
	J1 Apply fundamentals of erecting structural components				
	J2 Erect structural members		J2 Erect structural members		J2 Erect structural members
	J3 Level, plumb, align, and complete installation of structural members				J3 Level, plumb, align, and complete installation of structural members
			J4 Use falsework		
Line K	INSTALL ORNAMENTAL, MISCELLANEOUS, AND STEEL CLADDING SYSTEMS AND COMPONENTS	Line K	INSTALL ORNAMENTAL, MISCELLANEOUS, AND STEEL CLADDING SYSTEMS AND COMPONENTS	Line K	INSTALL ORNAMENTAL, MISCELLANEOUS, AND STEEL CLADDING SYSTEMS AND COMPONENTS
					K1 Install building envelope, curtain walls, precast walls, and window walls
			K2 Install miscellaneous components		
				New from 2025 RSOS	K3 Install steel cladding systems and components
Line L	INSTALL, MAINTAIN, AND DISASSEMBLE MECHANICAL SYSTEMS	Line L	INSTALL, MAINTAIN, AND DISASSEMBLE MECHANICAL SYSTEMS	Line L	INSTALL, MAINTAIN, AND DISASSEMBLE MECHANICAL SYSTEMS
					L1 Install mechanical systems
					L2 Install, align, and commission material handling systems
				New from 2025 RSOS	L3 Perform maintenance and disassembly of mechanical systems
Line M	MAINTAIN AND UPGRADE STRUCTURAL STEEL AND COMPONENTS	Line M	MAINTAIN AND UPGRADE STRUCTURAL STEEL AND COMPONENTS	Line M	MAINTAIN AND UPGRADE STRUCTURAL STEEL AND COMPONENTS
			M1 Make repairs and revisions		
			M2 Dismantle and remove structural components		M2 Dismantle and remove structural components

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Details – Competency Migration

This chart shows where content from the 2015 Ironworker (Generalist) program (2015.L) moved to in the 2026 Ironworker (Generalist) program (2026.L) and includes details of content that was moved or split across levels.

2015 IRONWORKER (GENERALIST) LEVEL 1 (2015.L1) to 2026 IRONWORKER (GENERALIST) LEVEL 1 (2026.L1)

2015 IRONWORKER (GENERALIST) LEVEL 1 (2015.L1)	2026 IRONWORKER (GENERALIST) LEVEL 1 (2026.L1)	MIGRATION	DETAILS
Line A – USE SAFE WORK PRACTICES	Line A – MAINTAIN SAFE AND HEALTHY WORKPLACE		
A1 Control Workplace Hazards	A1 Maintain safe work environment		
A2 Interpret OHS Regulations and WCB Standards	A1 Maintain safe work environment		
A3 Attain Confined Space Awareness Training	A1 Maintain safe work environment		Attaining Confined Space Awareness certification is outside of scope of the Program Outline. Moved into A1 as learning task content.
A4 Use Fall Protection Systems	A2 Use personal protective equipment (PPE) and safety equipment		
A5 Use Personal Protective Equipment	A2 Use personal protective equipment (PPE) and safety equipment		
A6 Use Fire Safety Procedures	A1 Maintain safe work environment		
A7 Attain First Aid Certification	A1 Maintain safe work environment		Attaining First Aid certification is outside of scope of the Program Outline. Moved into A1 as learning task content.
A8 Attain WHMIS Certification	A1 Maintain safe work environment		Attaining WHMIS certification is outside of scope of the Program Outline. Moved into A1 as learning task content.
Line B – USE TOOLS AND EQUIPMENT	Line B – USE AND MAINTAIN TOOLS AND EQUIPMENT		
B1 Use Hand Tools	B1 Use hand tools		
B2 Use Measurement and Layout Tools	B5 Use measurement, layout, and surveying tools and equipment		
B3 Use Power Tools	B2 Use power tools		
B4 Use Welding and Cutting Tools	B2 Use power tools		
	B6 Use welding and thermal cutting equipment		Learning task content and achievement criteria on performance of FCAW welding added to Level 1.
B5 Use Ladders and Platforms	B3 Use access equipment		
B6 Attain Aerial Work Platform Certification	B3 Use access equipment		Attaining Aerial Work Platform certification is outside of scope of the Program Outline. Moved into B3 as learning task content.

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2015 IRONWORKER (GENERALIST) LEVEL 1 (2015.L1)	2026 IRONWORKER (GENERALIST) LEVEL 1 (2026.L1)	MIGRATION	DETAILS
B7 Use Concrete Connecting and Anchoring Tools and Equipment	B2 Use power tools		
Line C – ORGANIZE WORK	Line C – ORGANIZE WORK Line D – USE COMMUNICATION, MENTORING, AND CONTINUOUS LEARNING TECHNIQUES		
C1 Use Mathematics	C2 Perform layout		
	C3 Use drawings and documentation		
	C5 Use mathematics		
C2 Interpret Drawings and Specifications	C3 Use drawings and documentation		
C3 Communicate with Others	D1 Use communication techniques		Content on inclusive communication added.
C4 Handle Materials	C1 Organize materials and supplies		
Line D – USE RIGGING, HOISTING AND LIFTING EQUIPMENT	LINE F – USE RIGGING, HOISTING, AND POSITIONING EQUIPMENT		
D1 Use Ropes and Slings	F2 Use ropes and slings		
D2 Use Rigging and Hoisting Equipment	F3 Use rigging and hoisting equipment		
D3 Use Mechanical Moving Equipment		2015.L1/L3 → 2026.L3	Mechanical moving equipment content moved to Level 3 Competency F4.
Line E – APPLY CRANE WORK PROCEDURES	LINE F – USE RIGGING, HOISTING, AND POSITIONING EQUIPMENT Line G – PERFORM MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES		
E1 Assemble and Disassemble Cranes	G1 Identify and mobilize cranes		
E2 Apply Lifting Practices for Cranes	F3 Use rigging and hoisting equipment		
Line F – ERECT STRUCTURAL MEMBERS	Line J – INSTALL STRUCTURAL MEMBERS		
F1 Apply the Principles of Erecting Structural Components	J1 Apply fundamentals of erecting structural components		Mass timber content added.
F2 Install Structural Members	J2 Erect structural members		Mass timber content added.
	J3 Level, plumb, align, and complete installation of structural members		
Line G – APPLY REINFORCING TECHNIQUES	Line H – FABRICATE AND INSTALL REINFORCING MATERIALS		
G1 Apply Principles of Reinforcing Concrete	H1 Apply fundamentals of reinforcing concrete		

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2015 IRONWORKER (GENERALIST) LEVEL 1 (2015.L1)	2026 IRONWORKER (GENERALIST) LEVEL 1 (2026.L1)	MIGRATION	DETAILS
G2 Install and Fabricate Reinforcing Material	H2 Cut and bend reinforcing materials H3 Place, tie, splice, and pre-fabricate reinforcing materials		
Line H – APPLY PRE-STRESSING/POST-TENSIONING TECHNIQUES	Line I – APPLY POST-TENSIONING TECHNIQUES		
H1 Describe Principles of Pre-Stressed Systems	I1 Describe fundamentals of pre-stressed systems		
H2 Place Unbonded Post-Tensioning Systems	I2 Place unbonded post-tensioning systems		
	NEW COMPETENCIES ADDED TO LEVEL 1		
	Line A – MAINTAIN SAFE AND HEALTHY WORKPLACE		
	A3 Participate in healthy and respectful work environment	NEW	New content from revised RSOS.
	Line B – USE AND MAINTAIN TOOLS AND EQUIPMENT		
	B4 Use material handling equipment		New sub-task 2.06 in 2025 RSOS to cover forklift content.
	Line C – ORGANIZE WORK		
	C2 Perform layout		Content was in the 2015 program but has now been expanded to a competency; it is now task 3.02 in the revised RSOS.

This is the end of the 2015 Ironworker (Generalist) Level 1 to 2026 Ironworker (Generalist) Level 1 comparative.  
The 2015 Ironworker (Generalist) Level 2 to 2026 Ironworker (Generalist) Level 2 comparative begins on the next page.

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2015 IRONWORKER (GENERALIST) LEVEL 2 (2015.L2) to 2026 IRONWORKER (GENERALIST) LEVEL 2 (2026.L2)

2015 IRONWORKER (GENERALIST) LEVEL 2 (2015.L2)	2026 IRONWORKER (GENERALIST) LEVEL 2 (2026.L2)	MIGRATION	DETAILS
Line B – USE TOOLS AND EQUIPMENT	Line B – USE AND MAINTAIN TOOLS AND EQUIPMENT		
B2 Use Measurement and Layout Tools	B5 Use measurement, layout, and surveying tools and equipment		
B4 Use Welding and Cutting Tools	B2 Use power tools		
	B6 Use welding and thermal cutting equipment		
Line C – ORGANIZE WORK	Line C – ORGANIZE WORK		
C1 Use Mathematics	C5 Use mathematics		
C2 Interpret Drawings and Specifications	C3 Use drawings and documentation		
Line D – USE RIGGING, HOISTING AND LIFTING EQUIPMENT	Line F – USE RIGGING, HOISTING, AND POSITIONING EQUIPMENT		
D1 Use Ropes and Slings	F1 Inspect rigging, hoisting, and positioning equipment		
	F2 Use ropes and slings	2015.L2 → 2026.L1/L2	Achievement Criteria moved from Level 2 to Level 1, to be combined with project in Level 1 Competency J2.
D2 Use Rigging and Hoisting Equipment	F3 Use rigging and hoisting equipment		
Line E – APPLY CRANE WORK PROCEDURES	Line G – PERFORM MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES		
E1 Assemble and Disassemble Cranes	G2 Erect lattice boom cranes, tower cranes, derricks and components		
Line F – ERECT STRUCTURAL MEMBERS	Line J – INSTALL STRUCTURAL MEMBERS Line K – INSTALL ORNAMENTAL, MISCELLANEOUS, AND STEEL CLADDING SYSTEMS AND COMPONENTS		
F2 Install Structural Members	J2 Erect structural members	2015.L2/L3 → 2026.L3	Content on levelling, plumbing, aligning, and completing installation moved to 2026.L3 competency J3.
F3 Install Ornamental Components and Systems	K2 Install miscellaneous components		Mass timber content added.
Line G – APPLY REINFORCING TECHNIQUES	Line H – FABRICATE AND INSTALL REINFORCING MATERIALS		
G1 Apply Principles of Reinforcing Concrete		2015.L2 → 2026.L3	Content in 2026.L3 covers reinforcing codes and standards
G2 Install and Fabricate Reinforcing Material	H2 Cut and bend reinforcing materials		
	H3 Place, tie, splice, and pre-fabricate reinforcing materials		



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2015 IRONWORKER (GENERALIST) LEVEL 2 (2015.L2)	2026 IRONWORKER (GENERALIST) LEVEL 2 (2026.L2)	MIGRATION	DETAILS
Line H – APPLY PRE-STRESSING/POST-TENSIONING TECHNIQUES			
H3 Place Bonded Post-Tensioning Systems		2015.L2 → 2026.L3	
Line I – MAINTAIN AND UPGRADE STRUCTURAL STEEL AND COMPONENTS	Line M – MAINTAIN AND UPGRADE STRUCTURAL STEEL AND COMPONENTS		
I1 Make Repairs and Revisions	M1 Make repairs and revisions		
I2 Dismantle and Remove Structural, Mechanical and Miscellaneous Components	M2 Dismantle and remove structural components	2015.L2 → 2026.L2/L3	Mechanical and miscellaneous content moved from 2015.L2 to 2026.L3 Competency L3. Structural content remains in 2026.L2 and also in 2026.L3.
	NEW COMPETENCIES ADDED TO LEVEL 2		
	Line J – INSTALL STRUCTURAL MEMBERS		
	J4 Use falsework		Was in program content in 2015.L2, but not as its own competency. Expanded in new RSOS as task 15.01.

This is the end of the 2015 Ironworker (Generalist) Level 2 to 2026 Ironworker (Generalist) Level 2 comparative.  
The 2015 Ironworker (Generalist) Level 3 to 2026 Ironworker (Generalist) Level 3 comparative begins on the next page.

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2015 IRONWORKER (GENERALIST) LEVEL 3 (2015.L3) to 2026 IRONWORKER (GENERALIST) LEVEL 3 (2026.L3)

2015 IRONWORKER (GENERALIST) LEVEL 3 (2015.L3)	2026 IRONWORKER (GENERALIST) LEVEL 3 (2026.L3)	MIGRATION	DETAILS
Line B – USE TOOLS AND EQUIPMENT	Line B – USE AND MAINTAIN TOOLS AND EQUIPMENT		
B2 Use Measurement and Layout Tools	B5 Use measurement, layout, and surveying tools and equipment		
B4 Use Welding and Cutting Tools	B6 Use welding and thermal cutting equipment		
Line C – ORGANIZE WORK	Line C – ORGANIZE WORK		
C1 Use Mathematics	C5 Use mathematics		
C2 Interpret Drawings and Specifications	C3 Use drawings and documentation		
C5 Plan a Project	C4 Plan tasks		
Line D – USE RIGGING, HOISTING AND LIFTING EQUIPMENT	Line F – USE RIGGING, HOISTING, AND POSITIONING EQUIPMENT		
D1 Use Ropes and Slings	F1 Inspect rigging, hoisting, and positioning equipment		
	F2 Use ropes and slings		
D2 Use Rigging and Hoisting Equipment	F3 Use rigging and hoisting equipment		
D3 Use Mechanical Moving Equipment	F4 Use mechanical moving equipment	2015.L1/L3 → 2026.L3	2015.L1 content combined into 2026.L3
Line E – APPLY CRANE WORK PROCEDURES	Line E – PLAN LIFT Line F – USE RIGGING, HOISTING, AND POSITIONING EQUIPMENT Line G – PERFORM MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES		
E1 Assemble and Disassemble Cranes	G2 Erect lattice boom cranes, tower cranes, derricks and components		
	G3 Perform demobilization and disassembly of cranes		
E2 Apply Lifting Practices for Cranes	E2 Perform pre-lift analysis		Content: analyzing a critical lift plan.
	F3 Use rigging and hoisting equipment		Content: marine hoisting.
Line F – ERECT STRUCTURAL MEMBERS	Line J – INSTALL STRUCTURAL MEMBERS Line K – INSTALL ORNAMENTAL, MISCELLANEOUS, AND STEEL CLADDING SYSTEMS AND COMPONENTS Line L – INSTALL, MAINTAIN, AND DISASSEMBLE MECHANICAL SYSTEMS		
F2 Install Structural Members	J2 Erect structural members		Mass timber content added.



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2015 IRONWORKER (GENERALIST) LEVEL 3 (2015.L3)	2026 IRONWORKER (GENERALIST) LEVEL 3 (2026.L3)	MIGRATION	DETAILS
	J3 Level, plumb, align, and complete installation of structural members	2015.L2 → 2026.L3	Previously, level, plumb, align, and complete was part of the erect structural members competency. They have been separated to align to the RSOS sub-tasks, with J3 being moved into Level 3 to be covered during the structural project.
F3 Install Ornamental Components and Systems	K1 Install building envelope, curtain walls, precast walls, and window walls		Mass timber content added.
F4 Install Conveyors, Machinery and Equipment	L1 Install mechanical systems		
	L2 Install, align, and commission material handling systems		Fabricating a hopper Achievement Criteria removed
Line G – APPLY REINFORCING TECHNIQUES	Line H – FABRICATE AND INSTALL REINFORCING MATERIALS		
G1 Apply the Principles of Reinforcing Concrete	H1 Apply fundamentals of reinforcing concrete	2015.L2/L3 → 2026.L3	Content on using reinforcing codes and standards moved from 2015.L2 to 2026.L3
Line H – APPLY PRE-STRESSING/POST-TENSIONING TECHNIQUES	Line I – APPLY POST-TENSIONING TECHNIQUES		
H2 Place Unbonded Post-Tensioning Systems	I2 Place unbonded post-tensioning systems		PT placing drawing Achievement Criteria removed
Line I – MAINTAIN AND UPGRADE STRUCTURAL STEEL AND COMPONENTS	Line M – MAINTAIN AND UPGRADE STRUCTURAL STEEL AND COMPONENTS		
I2 Dismantle and Remove Structural, Mechanical and Miscellaneous Components	M2 Dismantle and remove structural components		Structural content kept in 2026.L3 competency M2. Mechanical and miscellaneous content moved to new 2026.L3 competency L3.
	NEW COMPETENCIES ADDED TO LEVEL 3		
	Line C – ORGANIZE WORK		
	C2 Perform layout		Content on verifying as-built dimensions added.
	Line D – USE COMMUNICATION, MENTORING, AND CONTINUOUS LEARNING TECHNIQUES		
	D2 Use mentoring techniques	NEW	Mentoring was in program content in 2015.L1 outline but is now a competency in 2026.L3.
	D3 Maintain continuous learning	NEW	New content from revised RSOS. Creating a resume Achievement Criteria added.
	Line I – APPLY POST-TENSIONING TECHNIQUES		
	I3 Place multi-strand and bonded post-tensioning systems	2015.L2 → 2026.L3	Was 2015.L2 competency H3. Moved to 2026.L3.

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2015 IRONWORKER (GENERALIST) LEVEL 3 (2015.L3)	2026 IRONWORKER (GENERALIST) LEVEL 3 (2026.L3)	MIGRATION	DETAILS
	<b>Line K - INSTALL ORNAMENTAL, MISCELLANEOUS, AND STEEL CLADDING SYSTEMS AND COMPONENTS</b>		
	K3 Install steel cladding systems and components	NEW	Expanded content from revised RSOS. Was previously theory content in 2015.L1 F2.
	<b>Line L - INSTALL, MAINTAIN, AND DISASSEMBLE MECHANICAL SYSTEMS</b>		
	L3 Perform maintenance and disassembly of mechanical systems	2015.L2 → 2026.L3	Portions of 2015.L2 I2 2015 moved to 2026.L3 competency L3

This is the end of the 2015 Ironworker (Generalist) Level 3 to 2026 Ironworker (Generalist) Level 3 comparative.