

Issued: August 5, 2022

Program: Carpenter

To: ITA Training Providers
Articulation Chair
System Liaison Person
Youth Train in Trades School Districts

Subject: **Carpenter Program Update**

OPSN No.: **OPSN 2022-015**

Effective Date: April 1, 2023

Summary of Change: Please be advised that a new Program Outline and Program Profile have been posted to the Industry Training Authority (ITA) [website](#). Changes were made to the program content.

Details: Changes to the Carpenter program in BC are as follows:
Program Content: There were some changes to the training content and the sequencing of technical training.
There were **no changes** to the trade name, trade training hours, or number of levels.

Rationale In 2020, BC endorsed the Canadian Council of Directors of Apprenticeship (CCDA) recommendations for the adoption of a revised sequencing of training topics and an updated Red Seal Occupational Standard (RSOS, 2021). During 2020-2022, BC conducted a review of the BC program with the engagement of our industry and training provider partners. The review aligned the provincial program to the RSOS and the recommended sequencing.

For more information contact: Program Standards
email: programstandards@itabc.ca

cc: All Staff

Program Outline Review Details

Key

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Summary - Competency Migration

The BC Occupational Analysis Chart (OAC) was aligned to the structure of the Red Seal Occupational Standard (RSOS). Therefore, all of the competencies have been renamed and restructured. This chart shows the finalized competency distribution for the Carpenter 2023 program. It summarizes the major changes to the competencies. For details, see the charts below.

2023 Program (L1)		2023 Program (L2)		2023 Program (L3)		2023 Program (L4)	
Line A	SAFE WORK PRACTICES	Line A	SAFE WORK PRACTICES	Line A	SAFE WORK PRACTICES	Line A	SAFE WORK PRACTICES
	A1 Apply shop and site safety practices						
	A2 Apply personal safety practices						
Line B	DOCUMENTATION AND ORGANIZATIONAL SKILLS	Line B	DOCUMENTATION AND ORGANIZATIONAL SKILLS	Line B	DOCUMENTATION AND ORGANIZATIONAL SKILLS	Line B	DOCUMENTATION AND ORGANIZATIONAL SKILLS
	B1 Use construction drawings and specifications		B1 Use construction drawings and specifications				
	B2 Interpret building codes and bylaws		B2 Interpret building codes and bylaws				
	B3 Plan and organize work						B3 Plan and organize work
	B4 Perform trade math						
New	B5 Use communication and mentorship techniques					New	B5 Use communication and mentorship techniques
Line C	TOOLS AND EQUIPMENT	Line C	TOOLS AND EQUIPMENT	Line C	TOOLS AND EQUIPMENT	Line C	TOOLS AND EQUIPMENT
	C1 Use hand tools				C1 Use hand tools		
	C2 Use portable power tools		C2 Use portable power tools				
	C3 Use stationary power tools		C3 Use stationary power tools		C3 Use stationary power tools		
Line D	SURVEY INSTRUMENTS AND EQUIPMENT	Line D	SURVEY INSTRUMENTS AND EQUIPMENT	Line D	SURVEY INSTRUMENTS AND EQUIPMENT	Line D	SURVEY INSTRUMENTS AND EQUIPMENT
	D1 Use levelling instruments and equipment						
			D2 Use site layout equipment				D2 Use site layout equipment
Line E	ACCESS, RIGGING, AND HOISTING EQUIPMENT	Line E	ACCESS, RIGGING, AND HOISTING EQUIPMENT	Line E	ACCESS, RIGGING, AND HOISTING EQUIPMENT	Line E	ACCESS, RIGGING, AND HOISTING EQUIPMENT



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2023 Program (L1)		2023 Program (L2)		2023 Program (L3)		2023 Program (L4)	
	E1 Use ladders, scaffolds, and access equipment						
	E2 Use rigging and hoisting equipment			New	E2 Use rigging and hoisting equipment		
Line F	SITE LAYOUT	Line F	SITE LAYOUT	Line F	SITE LAYOUT	Line F	SITE LAYOUT
	F1 Lay out building locations						
							F2 Prepare building site
					F3 Apply excavation and shoring practices		
Line G	CONCRETE FORMWORK	Line G	CONCRETE FORMWORK	Line G	CONCRETE FORMWORK	Line G	CONCRETE FORMWORK
	G1 Use concrete types, materials, additives, and treatments				G1 Use concrete types, materials, additives, and treatments		
	G2 Select concrete forming systems				G2 Select concrete forming systems		
	G3 Build footing and vertical formwork				G3 Build footing and vertical formwork		
	G4 Build slab-on-grade forms and suspended slab forms		G4 Build slab-on-grade forms and suspended slab forms		G4 Build slab-on-grade forms and suspended slab forms		
	G5 Install reinforcement and embedded items				G5 Install reinforcement and embedded items		
					G6 Build concrete stair forms		
	G7 Place and finish concrete		G7 Place and finish concrete				
					G8 Install specialized formwork		
Line H	WOOD FRAME CONSTRUCTION	Line H	WOOD FRAME CONSTRUCTION	Line H	WOOD FRAME CONSTRUCTION	Line H	WOOD FRAME CONSTRUCTION
	H1 Describe wood frame construction						
	H2 Select framing materials						
	H3 Build floor systems						
New	H4 Build wall systems		H4 Build wall systems				
	H5 Build stair systems		H5 Build stair systems				H5 Build stair systems
			H6 Build roof systems				H6 Build roof systems
					H6 Build roof systems		
							H7 Build specialized framing systems



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2023 Program (L1)		2023 Program (L2)		2023 Program (L3)		2023 Program (L4)	
							H8 Perform renovations and additions
							H9 Build timber and engineered wood construction
							H10 Build decks and exterior structures
Line I	FINISHING MATERIALS	Line I	FINISHING MATERIALS	Line I	FINISHING MATERIALS	Line I	FINISHING MATERIALS
			I1 Describe roofing materials				
			I2 Install doors and hardware		I2 Install doors and hardware		
			I3 Install windows and hardware				
			I4 Install exterior finishes				
					I5 Install interior finishes		I5 Install interior finishes
					I6 Install cabinets		
					I7 Install interior floor, ceiling, and wall systems		I7 Install interior floor, ceiling, and wall systems
Line J	BUILDING SCIENCE	Line J	BUILDING SCIENCE	Line J	BUILDING SCIENCE	Line J	BUILDING SCIENCE
	J1 Control the forces acting on a building						J1 Control the forces acting on a building
<i>J3 content rolled into J2, J2 renamed.</i>	J2 Control the forces acting on a building as a system					New	J2 Control the forces acting on a building as a system



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Details – Competency Migration

This chart shows where content from the Harmonized Carpenter program (HL) moved to in the 2023 Carpenter program (L) and includes details of content that was moved or split across levels.

HARMONIZED LEVEL 1 (HL1) TO 2023 LEVEL 1 (L1)

HARMONIZED LEVEL 1 (HL1)	2023 Program (L1)	MIGRATION	DETAILS
Line A SAFE WORK PRACTICES	Line A SAFE WORK PRACTICES		
A1 Apply Shop and Site Safety Practices	A1 Apply shop and site safety practices	N/A	
A2 Apply Personal Safety Practices	A2 Apply personal safety practices	N/A	
Line B DOCUMENTATION AND ORGANIZATIONAL SKILLS	Line B DOCUMENTATION AND ORGANIZATIONAL SKILLS		
B1 Use Construction Drawings and Specifications	B1 Use construction drawings and specifications	N/A	
B2 Interpret Building Codes and Bylaws	B2 Interpret building codes and bylaws	N/A	
B3 Plan and Organize Work	B3 Plan and organize work	N/A	
B4 Perform Trade Math	B4 Perform trade math	N/A	
	B5 Use communication and mentorship techniques	New	Objectives: <ul style="list-style-type: none"> Describe effective communication skills Describe communication expectations Describe the role of the protégé
Line C TOOLS AND EQUIPMENT	Line C TOOLS AND EQUIPMENT		
C1 Use Hand Tools	C1 Use hand tools	N/A	
C2 Use Portable Power Tools	C2 Use portable power tools	N/A	
C3 Use Stationary Power Tools	C3 Use Stationary Power Tools	N/A	
Line D SURVEY INSTRUMENTS AND EQUIPMENT	Line C SURVEY INSTRUMENTS AND EQUIPMENT		
D1 Use Levelling Instruments and Equipment	D1 Use levelling instruments and equipment	N/A	
Line E ACCESS, RIGGING AND HOISTING EQUIPMENT	Line K ACCESS, RIGGING AND HOISTING EQUIPMENT		
E1 Use Ladders, Scaffolds and Access Equipment	E1 Use ladders, scaffolds, and access equipment	N/A	
E2 Use Rigging and Hoisting Equipment	E2 Use rigging and hoisting equipment	N/A	



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HARMONIZED LEVEL 1 (HL1)	2023 Program (L1)	MIGRATION	DETAILS
Line F SITE LAYOUT	Line F SITE LAYOUT		
F1 Lay Out Building Locations	F1 Lay out building locations	N/A	
Line G CONCRETE FORMWORK	Line G CONCRETE FORMWORK		
G1 Use Concrete Types, Materials, Additives and Treatments	G1 Use concrete types, materials, additives, and treatments	N/A	
G2 Select Concrete Forming Systems	G2 Select concrete forming systems	N/A	
G3 Build Footing and Vertical Formwork	G3 Build footing and vertical formwork	N/A	
G4 Build Slab-On-Grade Forms and Suspended Slab Forms	G4 Build slab-on-grade forms and suspended slab forms	N/A	
G5 Install Reinforcement and Embedded Items	G5 Install reinforcement and embedded items	N/A	
G7 Place and Finish Concrete	G7 Place and finish concrete	N/A	
Line H WOOD FRAME CONSTRUCTION	Line H WOOD FRAME CONSTRUCTION		
H1 Describe Wood Frame Construction	H1 Describe wood frame construction	N/A	
H2 Select Framing Materials	H2 Select framing materials	N/A	
H3 Build Floor Systems	H3 Build floor systems		
	H4 Build wall systems	New	Objective: Describe wall systems <ul style="list-style-type: none"> An introduction to wall systems that compliment the rest of the basic construction systems.
H5 Build Stair Systems	H5 Build stair systems	N/A	
H10 Build Decks and Exterior Structures	N/A	N/A	Content already covered in other competencies Level 1 – Covered in H3 Build floor systems Level 4 – Covered in H7 Build specialized framing systems
Line J BUILDING SCIENCE	Line J BUILDING SCIENCE		
J1 Control the Forces Acting on a Building	J1 Control the forces acting on a building	N/A	



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HARMONIZED LEVEL 2 (HL2) TO 2023 LEVEL 2 (L2)

HARMONIZED LEVEL 2 (HL2)	2023 Program (L2)	MIGRATION	DETAILS
Line B DOCUMENTATION AND ORGANIZATIONAL SKILLS	Line B DOCUMENTATION AND ORGANIZATIONAL SKILLS		
B1 Use Construction Drawings and Specifications	B1 Use construction drawings and specifications	N/A	
B2 Interpret Building Codes and Bylaws	B2 Interpret building codes and bylaws	N/A	
Line C TOOLS AND EQUIPMENT	Line C TOOLS AND EQUIPMENT		
C2 Use Portable Power Tools	C2 Use portable power tools	N/A	
C3 Use Stationary Power Tools	C3 Use stationary power tools	N/A	
C4 Use Oxy-Fuel Equipment	N/A	N/A	Content removed - RSOS has listed Task A-1.07 Uses torch cutting equipment as "Not Common Core", therefore BC is removing this content from its Program Outline.
Line D SURVEY INSTRUMENTS AND EQUIPMENT	Line D SURVEY INSTRUMENTS AND EQUIPMENT		
D2 Use Site Layout Equipment	D2 Use site layout equipment	N/A	
Line F SITE LAYOUT	Line F SITE LAYOUT		
F1 Lay Out Building Locations	N/A	N/A	F1 content combined with other concrete formwork content in level 2, e.g., G4 Build slab-on-grade forms and suspended slab forms.
Line G CONCRETE FORMWORK	LINE G CONCRETE FORMWORK		
G4 Build Slab-On-Grade Forms and Suspended Slab Forms	G4 Build slab-on-grade forms and suspended slab forms	N/A	
G7 Place and Finish Concrete	G7 Place and finish concrete	N/A	
Line H WOOD FRAME CONSTRUCTION	Line H WOOD FRAME CONSTRUCTION		
H2 Select Framing Materials	N/A	N/A	Content already covered in other competencies, e.g., H4 Build wall systems.
H4 Build Wall Systems	H4 Build wall systems	N/A	
H5 Build Stair Systems	H5 Build stair systems	N/A	
H6 Build Roof Systems	H6 Build roof systems	N/A	
Line I FINISHING MATERIALS	Line I FINISHING MATERIALS		

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HARMONIZED LEVEL 2 (HL2)	2023 Program (L2)	MIGRATION	DETAILS
I1 Describe Roofing Materials	I1 Describe roofing materials	N/A	
I2 Install Doors and Hardware	I2 Install Doors and Hardware	N/A	
I3 Install Windows and Hardware	I3 Install Windows and Hardware	N/A	
I4 Install Exterior Finishes	I4 Install exterior finishes	N/A	
Line J BUILDING SCIENCE	Line J BUILDING SCIENCE		
J1 Control the Forces Acting on a Building	N/A	N/A	Content already covered in other competencies; Level 2 – Seismic hardware covered in H4 Build wall systems
J2 Control Heat and Sound Transmission	J2 Control the forces acting on a building as a system	N/A	Name of competency changed to encompass J3 as well
J3 Control Air and Moisture Movement in Buildings	N/A	N/A	Content rolled into J2 - Control forces acting on a building as a system



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HARMONIZED LEVEL 3 (HL3) TO 2023 LEVEL 3 (L3)

HARMONIZED LEVEL 3 (HL3)	2023 Program (L3)	MIGRATION	DETAILS
Line B DOCUMENTATION AND ORGANIZATIONAL SKILLS	Line B DOCUMENTATION AND ORGANIZATIONAL SKILLS		
B1 Use Construction Drawings and Specifications	B1 Use construction drawings and specifications	N/A	
B2 Interpret Building Codes and Bylaws	B2 Interpret building codes and bylaws	N/A	
Line C TOOLS AND EQUIPMENT	Line C TOOLS AND EQUIPMENT		
C1 Use Hand Tools	C1 Use hands tools	N/A	
C3 Use Stationary Power Tools	C3 Use stationary power tools	N/A	
Line E ACCESS, RIGGING, AND HOISTING EQUIPMENT	Line E ACCESS, RIGGING, AND HOISTING EQUIPMENT		
N/A	E2 Use rigging and hoisting equipment	N/A	Objectives <ul style="list-style-type: none"> • Use rigging equipment • Maintain and store rigging and hoisting equipment • Achievement Criteria <ul style="list-style-type: none"> ○ Learner will be able to prepare a lift plan
Line F SITE LAYOUT	Line F SITE LAYOUT		
F3 Apply Excavation and Shoring Practices	F3 Apply excavation and shoring practices	N/A	
Line G CONCRETE FORMWORK	Line G CONCRETE FORWORK		
G1 Use Concrete Types, Materials, Additives and Treatments	G1 Use concrete types, materials, additives, and treatments	N/A	
G2 Select Concrete Forming Systems	G2 Select concrete forming systems	N/A	
G3 Build Footing and Vertical Formwork	G3 Build footing and vertical formwork	N/A	
G4 Build Slab-On-Grade Forms and Suspended Slab Forms	G4 Build slab-on-grade forms and suspended slab forms	N/A	
G5 Install Reinforcement and Embedded Items	G5 Install reinforcement and embedded items	N/A	
G6 Build Concrete Stair Forms	G6 Build concrete stair forms	N/A	
G8 Install Specialized Formwork	G8 Install specialized formwork	N/A	
Line H WOOD FRAME CONSTRUCTION	Line H WOOD FRAME CONSTRUCTION		
H6 Build Roof Systems	H6 Build roof systems	N/A	



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HARMONIZED LEVEL 3 (HL3)	2023 Program (L3)	MIGRATION	DETAILS
Line I FINISHING MATERIALS	Line I FINISHING MATERIALS		
I2 Install Doors and Hardware	I2 Install doors and hardware	N/A	
I5 Install Interior Finishes	I5 Install interior finishes	N/A	
I6 Install Cabinets	I6 Install cabinets	N/A	
I7 Install Interior Floor, Ceiling and Wall Systems	I7 Install interior floor, ceiling, and wall systems	N/A	

HARMONIZED LEVEL 4 (HL4) TO 2023 LEVEL 4 (L4)

HARMONIZED LEVEL 4 (HL4)	2023 Program (L4)	MIGRATION	DETAILS
Line B DOCUMENTATION AND ORGANIZATIONAL SKILLS	Line B USE TOOLS AND EQUIPMENT		
B2 Interpret Building Codes and Bylaws	B2 Interpret building codes and bylaws	N/A	
	B5 Use communication and mentorship techniques	New	Added mentorship content <ul style="list-style-type: none"> Aligns with RSOS and industry trends
Line D SURVEY INSTRUMENTS AND EQUIPMENT	Line D SURVEY INSTRUMENTS AND EQUIPMENT		
D2 Use Site Layout Equipment	D2 Use site layout equipment	N/A	
Line F SITE LAYOUT	Line F SITE LAYOUT		
F2 Prepare Building Site	F2 Prepare building site	N/A	
Line H WOOD FRAME CONSTRUCTION	Line H WOOD FRAME CONSTRUCTION		
H6 Build Roof Systems	H6 Build roof systems	N/A	
H7 Build Specialized Framing Systems	H7 Build specialized framing systems	N/A	
H8 Perform Renovations and Additions	H8 Perform renovations and additions	N/A	
H9 Build Timber and Engineered Wood Construction	H9 Build timber and engineered wood construction	N/A	
H10 Build Decks and Exterior Structures	H10 Build decks and exterior structures	N/A	
Line I FINISHING MATERIALS	Line I FINISHING MATERIALS		
I5 Install Interior Finishes	I5 Install interior finishes	N/A	
I7 Install Interior Floor, Ceiling and Wall Systems	I7 Install interior floor, ceiling, and wall systems	N/A	
Line J BUILDING SCIENCE	Line J BUILDING SCIENCE		



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HARMONIZED LEVEL 4 (HL4)	2023 Program (L4)	MIGRATION	DETAILS
J1 Control the Forces Acting on a Building	J1 Control the forces acting on a building	N/A	
	J2 Control the forces acting on a building as a system	New	Level 4 content added • Learning task “Describe energy efficient construction and sustainable building systems”