

Plumber Consultation Discussion Guide

SUBMISSIONS DUE: March 21, 2025
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Introduction

This guide is sent on behalf of the Plumber Industry Working Group (IWG).

The Plumber IWG is currently considering recommendations to the Apprenticeship and Certification Board (the Board) on amendments to the technical training standards of the Plumber trade.

Before it makes any recommendations, the IWG must seek input from employers and employees in these trades. Based on the feedback it receives, the IWG may re-evaluate its recommendations. This discussion guide has been created to solicit your feedback to inform the IWG.

Background

The task of updating the technical training standards for Plumber was initiated in 2024 as the Apprenticeship and Certification Board identified it for review in 2024-2025. The proposed technical training framework for the trade is based on the most recent 2023 Plumber Red Seal Occupational Standard and the in-school training topic sequence is based on the final recommendations of the Canadian Council of Directors of Apprenticeship's Harmonization Initiative. As a result of the changes specified through the Harmonization Initiative and related consultations, the technical training standards have been redeveloped and written to reflect the latest Plumber Occupational Standard and sequencing documents.

Proposed Recommendations

The Plumber Industry Working Group is asking for your feedback on the proposed Level Chart (Appendix A), which outlines the units in each level of technical training. You may refer to the existing Level Chart (Appendix B) for comparison. The proposed in-school technical training for Plumber would maintain the four-level framework (10-9-8-8) totaling 35 weeks. Do you agree or disagree with the changes to the Level Chart? If you disagree, what changes would you recommend?

Response

The deadline for written comments on the proposed recommendations is **March 21, 2025**. You may also include comments to the IWG regarding issues not addressed in this consultation guide. You may be contacted for more information regarding your response. If you do *not* wish to be contacted, please indicate this in your response.

The IWG will consider feedback gathered through the consultation as it reviews and refines its recommendations to the Board.

Contact Information

Written submissions (including electronic submissions) may be directed to:

The Plumber Industry Working Group
c/o Manager – Policy, Legislation and Board Operations
Apprenticeship Manitoba
Economic Development, Investment, Trade and Natural Resources
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Thank you for taking the time to provide the Plumber IWG with feedback to this consultation.

Appendix A
Proposed 2025 Level Chart:
 Plumber - Technical Training
T=Theory hours P= in-class practical hours

Level One (10 weeks)				Level Two (9 weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A1	Learning About Work	7	0	B1	Routine Trade Activities II: Commissioning	14	0
A2	Trade Safety Awareness	7	0	B2	Interior Drainage, Waste and Vent Systems II	36	20
A3	Tools and Equipment	30	12	B3	Plumbing Fixtures and Appliances I: Residential, and Commercial Plumbing Fixtures and Accessories	20	22
A4	Tools and Equipment: Fuel Brazing and Cutting	7	21	B4	Plumbing Fixtures and Appliances II: Hot Water, Storage Tanks and Heaters, Appliances	22	13
A5	Worksite Activities and Organization	14	0	B5	Plumbing Fixtures and Appliances III: Piping Valves	15	6
A6	Trade Related Communications and Documents	14	0	B6	Hydronic Systems I: Cooling and <u>Low Pressure</u> Heating	30	12
A7	Routine Trade Activities I: Drawings	10	18	B7	Hydronic Systems II: Heating and Cooling Equipment	14	0
A8	Tube, Tubing and Pipe I: Prepare	28	0	B8	Fundamentals of Electrical Appliances and Controls	17	11
A9	Tube, Tubing, and Pipe II: Join	0	28	B9	Trade Related Mathematics II	21	0
A10	Interior Drainage, Waste and Vent Systems I	46	24	B10	Trade Related Science II	14	0
A11	Trade Related Mathematics I	21	0	B11	Gas Code II	21	7
A12	Trade Related Science I	14	0				
A13	Introduction to Basic Electricity	11	10				
A14	Gas Code I	23	5				
	Subtotals	232	118		Subtotals	224	91
	Total	350 Hours			Total	315 Hours	

Level Three (8 Weeks)				Level Four (8 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
C1	Mentoring Techniques	7	0	D1	Journeyman Trainer	7	0
C2	Sewers	21	0	D2	Sewage Treatment Systems	21	7
C3	Interior Drainage, Waste and Vent Systems III	42	14	D3	Private Water Pressure Systems	21	14
C4	Municipal Water Service Systems	10	4	D4	Water Treatment Systems	21	14
C5	Rural Water Service Systems	28	7	D5	Process Piping	14	0
C6	Potable Water Distribution I	21	0	D6	Specialized Systems II	28	0
C7	Potable Water Distribution II	16	5	D7	Electrical Schematics and Troubleshooting for Hydronics and Plumbing Systems	21	7
C8	Piping Components for Hydronic Systems	2	12	D8	Gas Piping Systems	28	0
C9	Control Systems for Hydronic Heating and Cooling Equipment	31	11	D9	Low Pressure Steam Systems	21	0
C10	Specialized Systems I	15	6	D10	Pre-Interprovincial Exam Review	56	0
C11	Routine Trade Activities III: Drawings	13	15				
	Subtotals	206	74		Subtotals	238	42
	Total	280 Hours			Total	280 Hours	

Appendix B
Current Level Chart:
 Plumber - Technical Training
 T=Theory hours P= in-class practical hours

Level One (10 weeks)				Level Two (9 weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
A1	SAFETY RELATED FUNCTIONS	10	0	B1	ROUTINE TRADE ACTIVITIES II	15	0
A2	TOOLS AND EQUIPMENT	35	32	B2	PLUMBING FIXTURES AND APPLIANCES	52	37
A3	ROUTINE TRADE ACTIVITIES	15	22	B3	INTERIOR DRAINAGE, WASTE AND VENT SYSTEMS II	20	15
A4	COMMUNICATION TECHNIQUES	0	5	B4	HYDRONIC SYSTEMS	40	12
A5	PIPE PREPARATION	27	0	B5	MATHEMATICS AND SCIENCE II	35	0
A6	TUBE, TUBING, PIPE (Join)	0	29	B6	FUNDAMENTALS OF ELECTRICAL APPLIANCES AND CONTROLS	25	20
A7	INTERIOR DRAINAGE, WASTE AND VENT SYSTEMS I	50	20	B7	GAS CODE II	35	9
A8	MATHEMATICS AND SCIENCE I	50	0				
A9	INTRO. TO BASIC ELECTRICITY	25	10				
A10	GAS CODE I	20	0				
	Subtotals	232	118		Subtotals	222	93
	Total	350 Hours			Total	315 Hours	

Level Three (8 Weeks)				Level Four (8 Weeks)			
Code	Unit Title	T	P	Code	Unit Title	T	P
C1	SEWERS	5	0	D1	COMMUNICATION TECHNIQUES AND MENTORING	25	0
C2	INTERIOR DRAINAGE, WASTE AND VENT SYSTEMS III	25	12	D2	SEWAGE TREATMENT SYSTEMS	20	5
C3	WATER SYSTEMS	30	7	D3	PRESSURE SYSTEMS	20	15
C4	POTABLE WATER DISTRIBUTION	24	2	D4	LOW PRESSURE STEAM SYSTEMS	20	5
C5	HYDRONIC SYSTEMS	30	5	D5	SPECIALIZED SYSTEMS II	30	0
C6	SPECIALIZED SYSTEMS I	30	10	D6	PROCESS PIPING	15	0
C7	ELECTRICAL CONTROLS AND DIAGRAMS FOR PUMPS AND HYDRONICS	25	15	D7	PRE-IP TRADE MATHEMATICS IV & SCIENCE REVIEW	35	0
C8	SKETCHING/BLEUPRINT READING	10	15	D8	PRE-IP CODE REVIEW	25	0
C9	MATHEMATICS & TRADE SCIENCE III	35	0	D9	PRE-IP TRADE SAFETY REVIEW	5	0
				D10	ELECTRICAL SCHEMATICS & TROUBLESHOOTING HYDRONICS AND PLUMBING SYSTEMS	23	7
				D11	GAS PIPING SYSTEMS	30	0
	Subtotals	214	66		Subtotals	248	32
	Total	280 Hours			Total	280 Hours	