

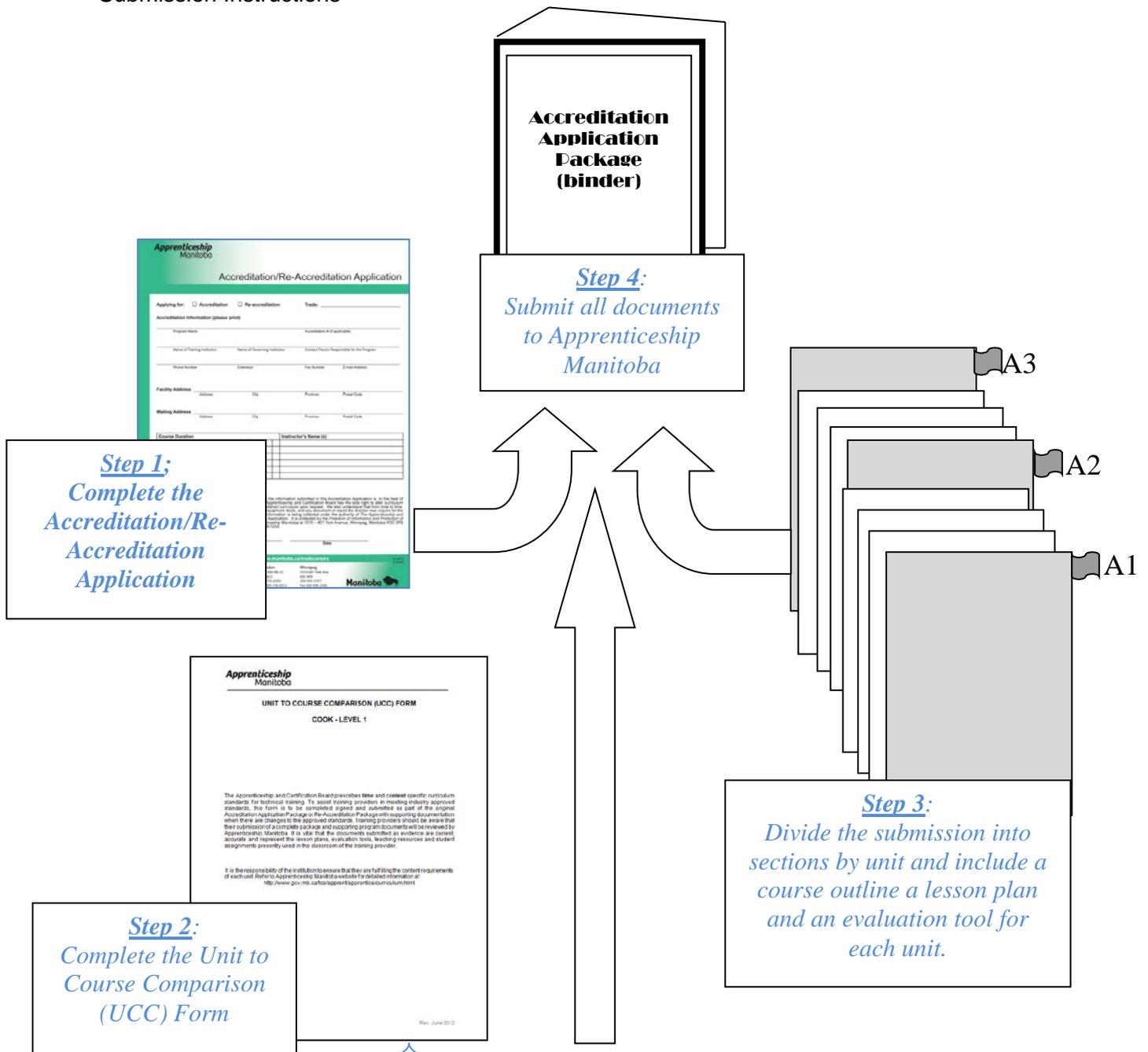
UNIT TO COURSE COMPARISON (UCC) FORM

Plumber
Level 1

The Apprenticeship and Certification Board prescribes **time** and **content** specific curriculum standards for technical training. To assist training providers in meeting industry approved standards, this form is to be completed signed and submitted as part of the original Accreditation Application Package or Re-Accreditation Package with supporting documentation when there are changes to the approved standards. Training providers should be aware that their submission of a complete package and supporting program documents will be reviewed by Apprenticeship Manitoba. It is vital that the documents submitted as evidence are current, accurate and represent the lesson plans, evaluation tools, teaching resources and student assignments presently used in the classroom of the training provider.

It is the responsibility of the institution to ensure that they are fulfilling the content requirements of each unit. Refer to Apprenticeship Manitoba website for detailed information at:
manitoba.ca/tce/apprent/apprentice/curriculum.html

Submission Instructions



A3 Trade Safety Awareness	Included in A3:		
	__ Lesson Plan	__ Evaluation Tool	__ Course Outline
Course names	Course credit codes/numbers	Program Allotted Hours	
WS&H Issues and their Importance	Trade Safety Binder	55 minutes	
WS&H Legal rights and Responsibilities	Trade Safety Binder	70 minutes	
Unit total (hours): ►			

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Demonstration of coverage of the Apprenticeship Manitoba technical training standard must include:

- Fully completed columns with course name(s), course credit code(s)/number(s) and the time allocated to the standards by the applicant.
- Submission of all Course Outlines.
- Supporting program documents: Lesson Plans, Evaluation Tools within the specific Apprenticeship Manitoba unit.

Submissions must include a balanced variety of supporting documentation to demonstrate adequate scope of technical training.

Tip: We do not require duplicates of supporting program documents within a submission package. If one of your Course Outlines is referenced more than once, place the one (1) copy in the first reference. For every other unit that refers to that Course Outline, include a note to indicate where the outline is located.

A1a SAFETY RELATED FUNCTIONS		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Introduction to Plumbing & Pipe Trades GLO 1.1 (Objectives A1a.1 to A1a.14)	8876	9.8 hours	
Applied Plumbing and Pipe Trades GLO 1.1 (Objective A1a.15)	8985	0.2 hours	
		Unit total (hours): ►	
		10 hours	

A2a Plumber Tools and Equipment		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Introduction to Plumbing & Pipe Trades GLO 2.1 (Objectives A2a.1 to A2a.6, A2a.9 & A2a.10)	8876	11 hours	
Introduction to Piping Systems and Theory GLO 2.1 (Objectives A2a.7 & A2a.8)	8877	2.2 hours	
Installation of Piping Systems I GLO 2.1 (Objectives A2a.11 & A2a.12)	8878	1.8 hours	
		Unit total (hours): ►	
		15 hours	

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A2b Hoisting and Lifting and Rigging		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 6.4	8878	20 hours	
		Unit total (hours):▶	20 hours

A2c Access Equipment		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 6.5	8878	7 hours	
		Unit total (hours):▶	7 hours

A2d Fuel Brazing and Cutting		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 2.2	8878	25 hours	
		Unit total (hours):▶	25 hours

A3a Routine Trade Practices I		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Sanitary Venting Systems GLO 5.1 (Objective A3a.1) GLO 8.2 (Objectives A3a.2 & A3a.3) GLO 6.2 (Objectives A3a.4 & A3a.5)	8981	7 hours	
		Unit total (hours):▶	7 hours

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A3b Learning About Work	Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names (attach Course Outline(s))	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Applied Plumbing and Pipe Trades GLO 9.1 (Objectives A3b.2 & A3b.3)	8985	2.5 hours
Introduction to Plumbing and Pipe Trades GLO 9.1 (Objective A3b.1)	8876	2.5 hours
Unit total (hours):▶		5.0 hours

A3c Drawings	Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Introduction to Piping Systems and Theory GLO 5.1 (Objectives A3c.1 – A3c.4 & A3c.12)	8877	9 hours
Installation of Piping Systems I GLO 5.1 (Objectives A3c.5 – A3c.11)	8878	13 hours
Installation of Piping Systems II GLO 5.1 (Objective A3c.13)	8879	3 hours
Unit total (hours):▶		25 hours

A4a Intro to Computers	Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Introduction to Piping Systems and Theory GLO 8.4	8877	5 hours
Unit total (hours):▶		5 hours

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A5a Pipe, Tube and Tubing and Fundamentals		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Introduction to Piping Systems and Theory GLO 3.1	8877	5 hours
Unit total (hours):▶		5 hours

A5a Plastic Piping		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Introduction to Plumbing & Pipe Trades GLO 3.2 (Objectives A5a.1 – A5a.15)	8876	2.25 hours
Introduction to Piping Systems and Theory GLO 3.2 (Objectives A5a.16 – A5a.18)	8877	2.75 hours
Unit total (hours):▶		5 hours

A5a Copper Tube and Tubing		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Introduction to Plumbing & Pipe Trades GLO 3.3 (Objectives A5a.1 – A5a.16)	8876	2.25 hours
Introduction to Piping Systems and Theory GLO 3.3 (Objectives A5a.17 – A5a.19)	8877	2.75 hours
Unit total (hours):▶		5.0 hours

A5a Steel Pipe		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Introduction to Plumbing & Pipe Trades GLO 3.4 (Objectives A5a.1 – A5a.15)	8876	2.25 hours
Introduction to Piping Systems and Theory GLO 3.4 (Objectives A5a.16 – A5a.18)	8877	2.75 hours
Unit total (hours):▶		5.0 hours

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A5a Cast Iron Piping		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Introduction to Plumbing & Pipe Trades GLO 3.5 (Objectives A5a.1 – A5a.15)	8876	1.35 hours	
Introduction to Piping Systems and Theory GLO 3.5 (Objectives A5a.16 – A5a.18)	8877	1.65 hours	
		Unit total (hours):▶ 3 hours	

A5a Glass Piping		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems II GLO 3.6	8879	3 hours	
		Unit total (hours):▶ 3 hours	

A5a Asbestos Cement Piping		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 3.7	8878	1 hour	
		Unit total (hours):▶ 1 hour	

A6a Pipe, Tube and Tubing and Fundamentals (Practical)		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 3.1	8878	5 hours	
		Unit total (hours):▶ 5 hours	

A6a Plastic Piping		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 3.2	8878	5 hours	
		Unit total (hours):▶ 5 hours	

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A6a Copper Tube and Tubing		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 3.3	8878	5 hours	
		Unit total (hours):▶	5 hours

A6a Steel Piping		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 3.4	8878	5 hours	
		Unit total (hours):▶	5 hours

A6a Cast Iron Piping		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 3.5	8878	4 hours	
		Unit total (hours):▶	4 hours

A6a Glass Piping		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Installation of Piping Systems I GLO 3.6	8878	5 hours	
		Unit total (hours):▶	5 hours

A7a Residential Sanitary Drainage System		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Sanitary Drainage Systems GLO 5.1	8982	70 hours	
		Unit total (hours):▶	70 hours

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A8a Mathematics and Science I		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Introduction to Plumbing and Pipe Trades GLO 8.2 (Objectives A8a.1 – A8a.3)	8876	10 hours
Introduction to Piping Systems and Theory GLO 8.2 (Objectives A8a.4 – A8a.8, A8a.10 & A8a.11) GLO 8.3 (Objectives A8a.9 & A8a.12)	8877	40 hours
Unit total (hours): ►		50 hours

A9a INTRO TO BASIC ELECTRICITY		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Applied Plumbing and Pipe Trades GLO 8.3	8985	35 hours
Unit total (hours): ►		35 hours

A10 GAS CODE I		Include: __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Applied Plumbing and Pipe Trades GLO 6.3	8985	20 hours
Unit total (hours): ►		20 hours

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