

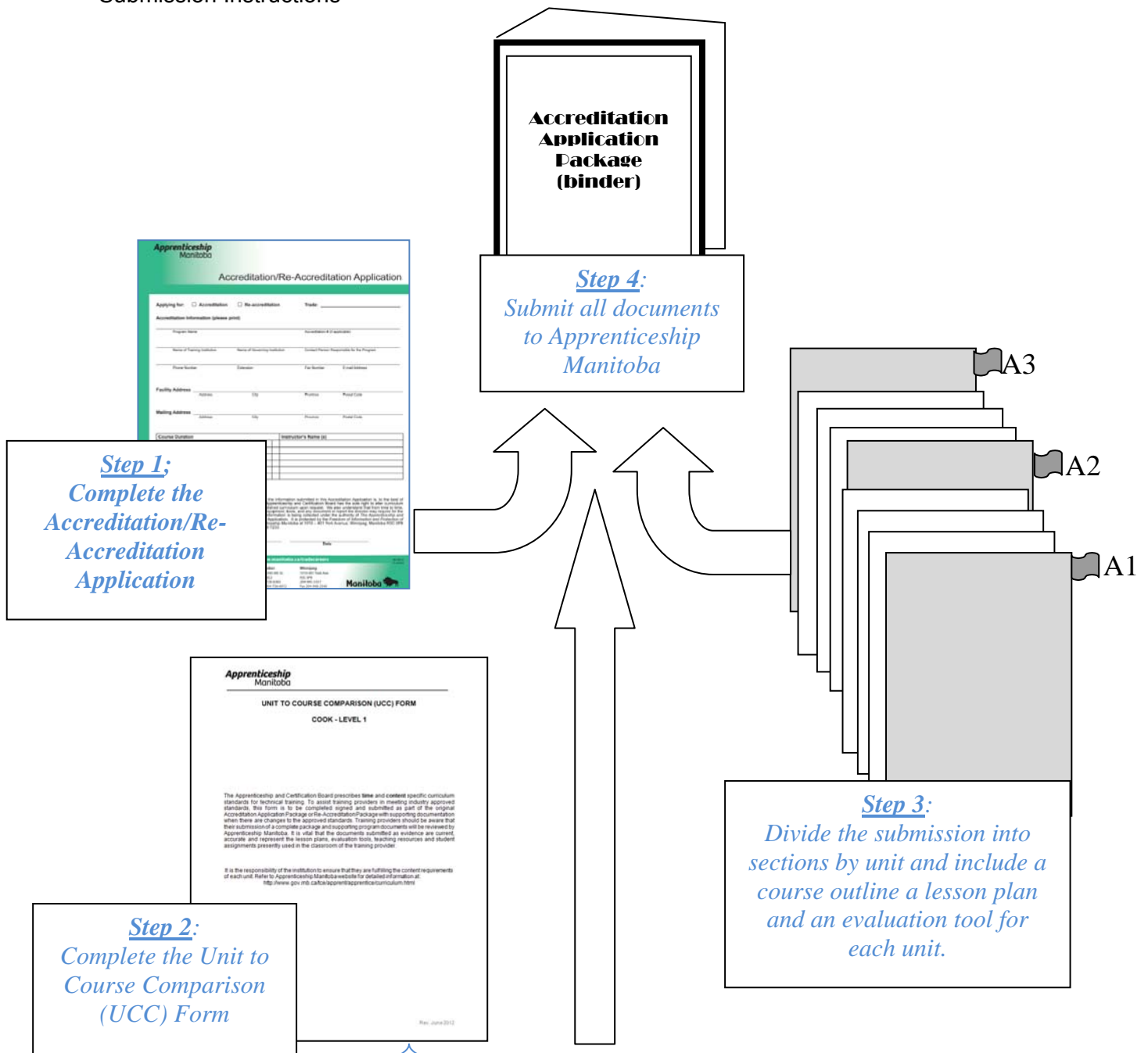
**UNIT TO COURSE COMPARISON (UCC) FORM**

**REFRIGERATION AND AIR CONDITIONING MECHANIC - 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](http://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): ►			

*It is the responsibility of the institution to demonstrate full coverage of the content requirements of each unit. Refer to Apprenticeship Manitoba website for detailed information at: [manitoba.ca/tce/apprent/apprentice/curriculum.html](http://manitoba.ca/tce/apprent/apprentice/curriculum.html)*

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.

<b>A1 Orientation 1: Structure and Scope of Refrigeration and Air Conditioning Mechanic</b>		<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

<b>A3 Trade Safety Awareness</b>		<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

<b>A4 Tools and Equipment</b>		<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

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<b>A5 Communication</b>	<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

<b>A6 Hoisting, Lifting, Rigging and Access/Egress Equipment</b>	<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

<b>A7 Refrigeration Fundamentals</b>	<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

<b>A8 Refrigerants and Oils</b>	<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names (attach Course Outline(s))	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

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manitoba.ca/tce/apprent/apprentice/curriculum.html*

<b>A9 Piping, Tubing, Soldering and Brazing</b>		<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Unit total (hours): ►			

<b>A11 Leak Testing, Evacuation and Charging</b>		<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Unit total (hours): ►			

<b>A12 Electrical Fundamentals</b>		<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Unit total (hours): ►			

<b>A13 Blueprint Reading and Drafting</b>		<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical	
Unit total (hours): ►			

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<b>A14 Trade Documents</b>	<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

<b>B1 Trade Mathematics</b>	<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

<b>B2 Science I</b>	<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

<b>E1 Valves and Accessory Devices</b>	<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline	
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

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<b>E2 Compressors I</b>		<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

<b>G1 Gas Code I (includes Propane)</b>		<b>Include:</b> __ Lesson Plan __ Evaluation Tool __ Course Outline
Course names	Course credit codes/numbers	Time Allocated (Hours) Theory and Practical
Unit total (hours): ►		

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