

Industrial Mechanic (Millwright) Curriculum Mapping

Program Curriculum

A collection of 14 CTS courses has been developed to align with the current Industrial Mechanic (Millwright) Apprenticeship course outline. These courses, when combined, cover the first period technical training content.

Alberta Apprenticeship Training Profile First Period	CTS Course Alignment to Apprenticeship First Period Topics	Assessment
Topic	CTS Course Number and Name	
SECTION ONE – SAFETY, RIGGING, CRANES, AND HOISTS		
Safety Legislation, Regulations, and Industry Policy in the Trades	MWA3900: Apprenticeship Safety	___
Climbing, Lifting, Rigging, and Hoisting		___
Hazardous Materials and Fire Protection		___
Apprenticeship Training Program		___
Communication		___
SECTION TWO – TOOLS AND FASTENERS		
Hand Tools	MWA3401: Hand Tools	___
Power Tools	MWA3406: Power Tools	___
Fasteners	MWA3420: Fasteners	___
SECTION THREE – MEASUREMENTS, DRAWINGS, AND LAYOUTS		
Measurement Tools	MWA3405: Measurement	___
Technical Drawings	MWA3411: Technical Drawings	___
Layouts	MWA3416: Layouts	___
SECTION FOUR – MACHINING		
Manual Machines, Tools, and Components	MWA3421: Manual Machines 1 MWA3426: Manual Machines 2	___
Machining Operations	MWA3431: Machining Operations 1 MWA3436: Machining Operations 2 MWA3441: Machining Operations 3 MWA3446: Machining Operations 4	___
SECTION FIVE – MACHINE INSTALLATION AND ALIGNMENT		
Grouting, Levelling, and Anchoring	MWA3451: Machine Installation	___
Shaft Alignment		___

CTS COURSES THAT ALLOW STUDENTS ADDITIONAL PRACTICAL TIME		
	MWA3460: MWA Practicum A	_____
	MWA3465: MWA Practicum B	_____
	MWA3470: MWA Practicum C	_____
	MWA3475: MWA Practicum D	_____