

Cabinetmaker (CMA) Apprenticeship Mapping

Program Curriculum

A collection of 15 CTS courses has been developed to align with the current Cabinetmaker 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 – INTRODUCTION AND SAFETY		
Safety Legislation, Regulations and Industry Policy in the Trades	CMA3900: Apprenticeship Safety	
Climbing, Lifting, Rigging and Hoisting		
Hazardous Materials and Fire Protection		
Introduction to Trades Training		
The Cabinetmaking Trade		
Trade Safety – Part A		
Trade Safety – Part B		
Occupational Health and Safety and Workplace Hazardous Materials Information System (WHMIS)		
Safety Committees, Safety Inspections and Industrial Health Hazards		
SECTION TWO – MATERIALS AND JOINERY		
The Nature and Properties of Wood	CMA3400: Properties of Wood	
Primary Processing of Hard and Soft Wood – Part A	CMA3405: Processing Lumber	
Primary Processing of Hard and Soft Wood – Part B		
Manufactured Sheet and Panel Products		
Adhesives	CMA3410: Adhesives & Fasteners	
Fasteners		
Abrasives	CMA3415: Abrasives & Joinery	
Principles of Wood Joinery		

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SECTION THREE – TOOLS, MACHINES AND EQUIPMENT		
Measuring and Layout Tools	CMA3420: Hand Tools 1	
Hand Planes		
Scrapers, Chisels, Gouges and Knives		
Assembly, Dismantling and Clamping Tools	CMA3425: Hand Tools 2	
Hand Drills and Saws		
Explosive Actuated Tools		
Portable Power Tools – Part A	CMA3430: Electric & Air Tools	
Portable Power Tools – Part B		
Pneumatic Tools and Fasteners		
Table, Panel, Radial Arm and CNC Saws	CMA3435: Power Saws	
Tooling for Portable and Stationary Equipment	CMA3440: Tooling Equipment	
Band Saws and Drill Presses	CMA3445: Band Saws & Planers	
Jointers and Thickness Planers		
SECTION FOUR – SHOP DRAWING		
Drafting Basics	CMA3450: Drafting Basics	
Orthographic Drawings		
Basic Drawing Standards	CMA3455: Drawing & Cut Lists	
Interpreting Shop Drawings and Cutting Lists		
Orientation to Computers and Computer-aided Drafting (CAD)	CMA3460: CAD & Print Reading	
Residential Print Reading – Part A		
Residential Print Reading – Part B		
SECTION FIVE – TRADE MATHEMATICS		
Basic Math Concepts – Part A	CMA3465: Trade Mathematics	
Basic Math Concepts – Part B		
Area, Perimeter, Board Feet and Volumes – Part A		
Area, Perimeter, Board Feet and Volumes – Part B		
Ratio and Proportion, and Percentage		

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CTS COURSES THAT ALLOW STUDENTS ADDITIONAL PRACTICAL TIME THE HOURS REPRESENTED BY THESE FOUR COURSES ARE OVER AND ABOVE THE 375 HOURS.		
	CMA3470: CMA Practicum A	
	CMA3475: CMA Practicum B	
	CMA3480: CMA Practicum C	
	CMA3485: CMA Practicum D	