

Joinery Foundation Program

W = Written Tests

PA = Specific Practical Assignment

P = Practical Component

COMPETENCY PROFILE CHART

Page 1 of 4
November 18, 2009

LINE

MAIN OBJECTIVES

	1	2	3	4	5	6	7	8	9
Use Safe Work Practices 1	Describe the Joinery Trade W-#11	Describe Safe Work Habits and Material Handling W-#12 PA	Describe W.C.B. Regulations and Accident Compensation W-#13	Describe WHMIS W-#14	Describe Fire Prevention and Control W-#15				
Solve Mathematical Problems 2	Solve Problems Involving Whole Numbers W - #21	Solve Problems Involving Fractions W - #22	Solve Problems Involving Decimal Fractions W - #23	Convert Metric and Imperial Measurements W - #24	Solve Problems Involving Ratio and Proportion W - #25	Solve Problems Involving Percent W - #26	Solve Problems Involving Roots and Powers W - #27	Interpret Simple Graphs W - #28	Solve Problems Involving Simple Formulas W - #29
	Solve Problems Involving Perimeters, Areas and Volumes W - #210	Solve Problems Involving Angles, Triangles and Geometric Construction W - #211							
Apply Layout Techniques 3	Identify Standard Lines, Letters and Scales Used on Drawings W - #31 P	Identify and Sketch Orthographic Drawings W - #32 PA	Identify and Sketch Pictorial Drawings W - #33 PA	Identify Standard Metric Dimensioning Practices W - #34 PA	Read Residential Blueprints W - #35	Identify Symbols and Abbreviations W - #36	Locate Information in the British Columbia Building Code W - #37	Read and Interpret Specifications W - #38	Describe Types and Uses of Shop Drawings W - #39
	Describe Procedures for Producing Shop Drawings (Rod Layouts) W - #310 PA	Apply Layout Techniques W - #311 PA	Read and Interpret Shop Drawings W - #312	Calculate Lumber Quantities and costs W - #313	Calculate Quantities and Costs of Sheet Goods W - #314				

Joinery Foundation Program

W = Written Tests
 PA = Specific Practical Assignment
 P = Practical Component

COMPETENCY PROFILE CHART

Page 2 of 4
 November 18, 2009

LINE	MAIN OBJECTIVES								
	1	2	3	4	5	6	7	8	9
Care and Use of Hand Tools 4	Describe the Use of Measuring, Layout and Testing Tools	Describe the Use of Sawing Tools	Describe the Use of Planes and Chisels	Describe the Use of Boring and Fastening Tools	Describe the Type and Uses of Hand Operated Clamps	Describe the Use of Files and Scrapers	Describe the Use of Metalworking Tools		
	W - #41 P	W - #42 P	W - #43 PA	W - #44 P	W - #45 P	W - #46 PA	W - #47 P		
Identify Woodworking Joints 5	Identify Lap, Dado, Rabbet, Butt and Miter Joints	Identify Mortise & Tenon and Dowel Joints	Identify Scarf, Finger, Dovetail and Box Joints	Identify Tongue and Groove, S, Lock, Miter and Biscuit Joints					
	W - #51 P	W - #52 P	W - #53 PA	W - #54 P					
Describe Portable Power Tools 6	Describe Electric and Air Power Sources	Describe the Use of Portable Power saws	Describe the Use of Portable Drills	Describe the Use of Portable Planes and Sanders	Describe the Use of Portable Fastening Tools	Describe the Use of Portable Routers	Describe the Use of Portable Biscuit Joiners	Describe the Basic Maintenance of Portable Power Tools	
	W - #61 P	W - #62	W - #63 PA	W - #64 P	W - #65 P	W - #66 P	W - #67 PA	W - #68	
Use Woodworking Machines 7	Use the Drill Press	Use the Radial Arm	Use the Table Saw	Use the Band Saw	Use the Jointer	Use the Thickness Planer	Use the Mortiser and Tenoner	Use the Single Spindle Dowel Boring Machine	Use the Overhead Router
	W - #71 PA	W - #72 P	W - #73 PA	W - #74 PA	W - #75 PA	W - #76 P	W - #77 PA	W - #78 PA	W - #79 PA
	Use Sanders	Use the Lathe	Use the Shaper	Use Presses	Identify Production Machinery	Maintain Joinery Shop Equipment			
	W - #710 PA	W - #711 PA	W - #712 PA	W - #713	W - #714	W - #715 PA			

Joinery Foundation Program

W = Written Tests
 PA = Specific Practical Assignment
 P = Practical Component

COMPETENCY PROFILE CHART

LINE	MAIN OBJECTIVES								
	1	2	3	4	5	6	7	8	9
Identify Materials 8	Describe the Structure and Properties of Wood	Describe Lumber Production, Grading and Handling	Identify Solid Wood	Identify Types of Plywood	Identify Types of Composition Board	Identify Plastic Laminates	Identify Specialty Materials	Cut and Install Glass	Identify Adhesives and Sealants
	W - #81	W - #82	W - #83 PA	W - #84	W - #85	W - #86	W - #87	W - #88 PA	W - #89
	Identify Fasteners	Identify Cabinet Hardware							
	W - #810	W - #811 PA							
Use Machining and Assembly Techniques 9	Interpret Cabinet Part Terminology	Describe Breakout Procedures for Solid Wood	Describe Sheet Good Breakout and Detail Machining	Describe Cabinet Assembly	Describe Procedures for Applying Plastic Laminate	Describe Procedures for Installing Hardware			
	W - #91	W - #92 P	W - #93 P	W - #94 P	W - #95 PA	W - #96 P			
Apply a Finish 10	Prepare Wood Surfaces for Finishing	Describe Finishing Materials	Apply Brushed, Wax and Oil Finishes						
	W - #101 P	W - #102	W - #103 P						
Install Millwork 11	Describe Millwork Marking and Panel Installation	Describe Cabinet Installation Procedures							
	W - #111	W - #112							

Joinery Foundation Program

W = Written Tests
 PA = Specific Practical Assignment
 P = Practical Component

COMPETENCY PROFILE CHART

LINE	MAIN OBJECTIVES								
	1	2	3	4	5	6	7	8	9
Not in Program 12	Not in Program								
Prepare for Employment 13	Describe Millwork Documents W - #131	Describe Business and Labor Organizations W - #132	Set Personal Goals W - #133	Identify Legislation affecting Employment W - #134	Prepare for Employment PA				