Joinery
Apprenticeship Course Content

		1	2	3	4	5	6	7	8
A	*Describe the Joinery Trade*	Describe the Joinery Trade 1	Describe Safe Work Practices 1	Describe Toxic Materials Regulations 1					
B	*Identify Materials*	Describe the Nature and Properties of Wood 1	Describe Lumber Production, Grading and Handling 1	Identify Solid Wood Species 1 2 3	Identify Types of Plywood 1	Identify Types of Composition Board 1	Identify Plastic Laminates 1	Identify Specialty Materials 1	Describe Glass Products and Installation 1
		B-9 Identify Adhesives and Sealants 1	B-10 Identify Hardware 1						
C	*Identify Woodworking Joints*	Identify Woodworking Joints 1							

D	***Apply Layout Techniques***	**Draw Orthographic, Isometric and Cabinet Views**	**Read Residential Blueprints**	**Read and Interpret Specifications**	**Read Commercial Blueprints**	**Interpret the AWMAC Manual**	**Prepare a Millwork Estimate**	**Apply Layout Techniques**	
		1	2	3	3	2	3	1 2 3 4	
E	***Use Hand Tools***	**Use Basic Hand Tools**	**Use Specialized Hand Tools**	**Maintain Hand Tools**					
		1	1	1 2					
F	***Use Portable Power Tools***	**Describe Power Sources**	**Use Portable Power Saws**	**Use Portable Power Drills**	**Use Portable Edge-cutting Tools**	**Use Portable Power Sanders**	**Use Portable Power Fastening Tools**	**Use Powder-Actuated Tools**	
		1	1	1	1	1	1	4	

		1	2	3	4	5	6	7	8
G	***Use Woodworking Machines***	**Describe Breakout Procedures**	**Use the Radial-arm Saw**	**Use the Table Saw**	**Use the Jointer**	**Use the Thickness Planer**	**Use the Panel Saw**	**Use Band and Scroll Saws**	**Use Drilling and Boring Machines**
		1	1	1	1	1	2	1	1 2 3
		G-9 Use Mortising and Tenoning Machines	**G-10 Use Routing Machines**	**G-11 Use Sanders**	**G-12 Use the Shaper and Power-Feed Attachment**	**G-13 Use Edge-Banding Machines**	**G-14 Use the Lathe**	**G-15 Maintain Joinery Shop Equipment**	**G-16 Identify Production Machinery**
		2	3	1	3 4	2	1	3	3

H	***Use Assembly Techniques***	Describe Adhesive Preparation and Application 1	Use Hand-Operated Clamps 1	Use a Press 3 4	Use Assembly Techniques 1				
I	***Construct a Sash, Door and Frame***	Describe Sash, Door and Frame Construction 2	Construct a Sash 2	Construct a Door 2	Construct a Frame 2				
J	***Construct a Staircase***	Describe Staircase Construction 3	Construct a Staircase 3						
K	***Construct Curved Casework***	Describe Curved Casework Construction 3	Construct Curved Casework 3						
L	***Fabricate a Veneered Panel***	Describe Wood Veneering 4	Fabricate a Veneered Panel 4						

M	***Apply a Finish***	Prepare Wood Surfaces for Finishing 1	Describe Finishing Materials 4	Apply a Finish 4					
N	***Install Millwork***	Pack and Ship Millwork 1	Install Millwork 4						

O	***Use Computer Layout Software***	Use Basic Computer Commands	Use CAD Software	Use Optimization Software					
		2	2 3	3 4					
P	***Use a CNC Machining Center***	Describe a CNC Machining Center	Describe Basic CNC Machining Center Programs	Prepare CNC Machining Center Programs	Use a CNC Machining Center				
		4	4	4	4				
Q	***Use a CNC Panel Saw***	Describe CNC Panel Saws	Describe Basic CNC Panel Saw Programs	Prepare CNC Panel Saw Programs	Use a CNC Panel Saw				
		3	3	3	3				