



Cabinetmaking & Wood Technology

Available Certifications:

OSHA Certification

Complete Task List:

Task Number	Description	Hours	Level
<i>*State Approved Program of Study</i>			
100	Personal Safety		
101	Follow safety rules for working in the cabinetmaking lab.		
102	Use cabinetmaking tools and equipment.		
103	Follow rules for electrical safety.		
104	Follow rules for fire safety.		
105	Follow rules for general housekeeping.		
106	Follow rules for material handling safety.		
107	Follow rules for eye protection.		
108	Follow rules for hearing protection.		
109	Follow rules for respiratory protection.		
110	RESERVED		
111	RESERVED		
112	RESERVED		
113	Follow rules for Safety Data Sheets (SDS).		
114	Follow rules for exposure control procedures such as blood borne pathogens.		
115	RESERVED		
200	Lumber & Cabinetmaking Materials		
201	Identify parts of the tree.		
202	Describe methods of sawing timber into lumber.		
203	Explain methods of drying green lumber.		
204	Describe and identify defects in lumber.		
205	Identify various types of wood and lumber used to build cabinets.		
206	Explain how cabinet lumber is graded.		
207	Identify cabinet lumber and construction grade lumber.		
208	Identify particle board.		
209	Identify medium density fiberboard.		
210	RESERVED		
211	Identify veneer core plywood.		
212	Identify plastic laminates.		
213	Identify solid surface materials.		
214	Identify melamine.		
300	Blueprints		
301	Use blueprint trade terminology		
302	RESERVED		

Task Number	Description	Hours	Level
303	Draw and dimension a base cabinet and wall cabinet to scale using an architect's ruler.		
304	RESERVED		
305	RESERVED		
306	Draw a multiple view blueprint of a cabinet.		
307	Draw a floor plan.		
308	Read a floor plan.		
309	Design a kitchen.		
310	RESERVED		
311	Lay out stock for cabinets.		
312	Create a bill of materials.		
313	Use design software.		
400	Hand Tools		
401	Demonstrate the ability to measure.		
402	Lay out an arc or circle with trammel points.		
403	Identify various types of hand planes.		
404	RESERVED		
405	RESERVED		
406	Use a file to sharpen edges.		
407	Use a compass.		
408	Use a framing square.		
409	Square an angle with a try square.		
410	Use a combination square.		
411	Transfer an angle with a sliding T-bevel square.		
412	Use a level to check plumb and level.		
413	RESERVED		
414	Use various handsaws.		
415	Use chisels.		
416	Use a screwdriver to install screws.		
417	Follow rules for hand tool safety.		
418	Use various hammers.		
419	Sharpen cutting or shaping tools.		
500	RESERVED		
600	Stationary Power Equipment		
601	Use a jointer.		
602	Use a surface planer.		
603	Use a table saw.		
604	RESERVED		
605	Use a band saw.		
606	Use a spindle sander.		
607	Use a disc sander.		

Task Number	Description	Hours	Level
608	Use a hollow chisel mortiser.		
609	RESERVED		
610	Use a drill press.		
611	Use a shaper.		
612	Use a wide belt sander.		
613	Use a grinding machine.		
614	Use clean-out procedures for a dust collection system.		
615	Use a router table.		
616	Follow rules for power equipment safety.		
617	Use a pocket hole machine.		
618	Use an edge bander.		
700	RESERVED		
800	Portable Power Tools		
801	Use a portable belt sander.		
802	Use a finish sander.		
803	Use a drill.		
804	Use a router.		
805	Use a circular saw.		
806	Use a jigsaw.		
807	Use a laminate trimmer.		
808	Use a biscuit joiner or loose tenon power tool.		
809	Use brad and finish nail pneumatic fastening tools.		
810	Use a miter saw or a compound miter saw.		
811	Follow rules for portable power tool safety.		
900	Machining and Related Operations		
901	Glue boards edge to edge.		
902	RESERVED		
903	RESERVED		
904	Calculate and construct a drawer.		
905	Calculate and construct a face frame.		
906	Calculate and construct a panel door.		
907	Calculate and construct a wall cabinet.		
908	Fabricate moldings.		
909	Calculate and construct a base cabinet.		
910	Square stock to specified dimensions.		
1000	Cutting and Shaping Common Wood Joints		
1001	RESERVED		
1002	Construct dado and groove joints.		
1003	Construct dowel joints.		
1004	Construct miter joints.		
1005	Construct mortise and tenon joints.		

Task Number	Description	Hours	Level
1006	Construct rabbet joints.		
1007	Construct dove tail joints.		
1008	Construct half-lap joints.		
1009	RESERVED		
1010	RESERVED		
1011	RESERVED		
1012	Construct pocket hole joint.		
1100	Glues and Adhesives		
1101	Follow safety rules for working with adhesives.		
1102	Identify various glues and adhesives.		
1103	Apply glues and adhesives.		
1104	RESERVED		
1105	RESERVED		
1200	Plastic Laminates		
1201	Cut plastic laminates to size.		
1202	Trim edges.		
1203	Apply adhesives.		
1204	Apply laminate to substrate.		
1205	Cap edges of substrates with laminates.		
1206	Construct a laminate joint.		
1207	Clean laminated plastics.		
1300	Procedures for Assembly		
1301	RESERVED		
1302	RESERVED		
1303	RESERVED		
1304	RESERVED		
1305	RESERVED		
1306	Demonstrate the appropriate use of clamps.		
1307	Assemble casework using clamping devices.		
1308	Reinforce joints with blocks.		
1309	Fasten parts with screws.		
1310	Attach moldings.		
1311	RESERVED		
1400	Hardware Installation		
1401	Lay out and measure for proper mounting of hardware.		
1402	Cut a gain for a hinge.		
1403	Install drawer slides.		
1404	Install knobs and pulls.		
1405	Install various types of catches.		
1406	RESERVED		
1407	Install various types of hinges.		

Task Number	Description	Hours	Level
1408	Identify various types of mechanical fasteners.		
1500	Computer Numerical Controlled (CNC) Machines		
1501	Follow safety rules for operating Computer Numerical Controlled (CNC) Equipment.		
1502	Establish a tool path for the cutter.		
1503	Install and remove cutters.		
1504	Use of Computer Numerically Controlled (CNC) design and machine software.		
1600	Finishing Procedures		
1601	RESERVED		
1602	RESERVED		
1603	Sand and abrade with various grits of abrasive papers.		
1604	RESERVED		
1605	RESERVED		
1606	RESERVED		
1607	RESERVED		
1608	RESERVED		
1609	RESERVED		
1610	Apply stains with a brush or a cloth.		
1611	Clean brushes after applying a finish.		
1612	Follow safety procedures when using spray equipment.		
1613	Maintain a spray gun.		
1614	Apply finish using a spray gun.		
1615	Troubleshoot and correct problems that occur in the finishing process.		
1616	Properly prepare wood product for finishing.		
1617	Apply under coat and top coat finishes.		
1700	Installation		
1701	Install a wall cabinet.		
1702	Install a base cabinet.		
1703	Install a countertop.		
1704	Install moldings.		
*Local Task List			
VA3513	13.2.11.A- Apply effective speaking and listening skills used in a job interview.		
VA3514	13.2.11.B- Apply research skills in searching for a job. (CareerLink, O-NET, Networking, Newspapers, Professional Associations, Resource Books (OOH), etc.		
VA3515	13.2.11.C-Develop and assemble, for career portfolio placement, career acquisition documents, such as, but not limited to: job application, letter of appreciation, Cover Letter, Resume, Post-Secondary Application, etc.		
VA3516	13.2.11.E- Demonstrate, in the career acquisition process, the application of essential workplace skills/knowledge, such as, but not limited to: Communication, Health and Safety, Resilience, Integrity, Problem Solving, Teamwork and Communication.		

Task Number	Description	Hours	Level
VA3517	13.3.11.A- Evaluate personal attitudes and work habits that support career retention and advancement, with focus on Resilience, Integrity, Problem Solving, Communication, Teamwork.		
VA3518	13.3.11.B-Evaluate team member roles and describe and illustrate active listening techniques: clarifying, encouraging, reflecting, restating, and summarizing.		
VA3519	13.3.11.C- Evaluate conflict resolution skills as they related to the workplace.: constructive criticism, group dynamics, managing leaderships, mediation, negotiation, problem solving.		
VA3520	13.3.11.D- Develop a personal budget based on career choice, such as but not limited to : fixed/variable expenses, gross pay, net pay, saving, taxes.		