

# CABINETMAKER

## Appendix A

O\*NET CODE 51-7011.00

This training outline is a minimum standard for Work Processes and Related Instruction. Changes in technology and regulations may result in the need for additional on-the-job or classroom training.

### WORK PROCESSES

	<b>Approximate Hours</b>
<b>A. Materials</b>	<b>100 – 150</b>
1. Learning the different kinds and grades of lumber. Learning properties and uses of plastic laminates and solid surfacing.	
2. Determining dryness of wood.	
3. Matching materials for color, grain, texture.	
4. Handling materials safely.	
<b>B. Blueprints, Drawings, Specifications</b>	<b>325 – 500</b>
1. Reading stock bills.	
2. Reading blueprints.	
3. Reading shop drawings.	
4. Understanding verbal instructions from supervisor.	
5. Preparing shop drawings.	
<b>C. Hand Tools</b>	<b>325 – 500</b>
1. <b>Using hand tools such as planes, chisels, wood files.</b>	
<b>D. Power Equipment</b>	<b>975 – 1,500</b>
1. Safe set up and operation of:	
a. cutoff saw	
b. table saw	
c. band saw	
d. jointer	
e. router	
f. planer	

- g. shaper
  - h. sanders
  - i. boring machine
  - 2. Cleaning and oiling power equipment.
  - 3. Programming CNC woodworking machines (if available)
- E. Knives** **100 – 200**
- 1. Grinding knives used on all hand tools.
- F. Layout** **550 – 900**
- 1. Planning sequence of cutting and shaping operations.
  - 2. Marking outline or dimensions of parts on paper or lumber stock.
  - 3. Minimizing waste.
- G. Veneer Work** **195 – 300**
- 1. Cutting and matching veneer.
  - 2. Laying veneer.
- H. Pre-Assembly** **490 – 750**
- 1. Inspecting parts for splits or defects in wood.
  - 2. Verifying that individual component parts conform to specifications, using tools such as template, ruler, caliper.
  - 3. Trimming component parts of joints to ensure proper fit.
  - 4. Boring holes, by hand or machine.
  - 5. Sanding flat work and molding by hand and machine.
- I. Gluing** **195 – 300**
- 1. Selecting appropriate glue or adhesive.
  - 2. Applying glue or adhesive.
  - 3. Clamping parts together, using clamps, or clamping machine.
  - 4. Cleaning parts after glue dries.
- J. Assembly** **1,020 – 1,300**
- 1. Determining order in which parts will be assembled.
  - 2. Assembling skeleton frames.
  - 3. Assembling and fitting door jambs and casings.

4. Assembling, fitting, and hanging doors.
5. Assembling and fitting drawers.
6. Fitting and applying moldings.
7. Reinforcing glued joints with nails or other fasteners.
8. Assembling parts by dovetailing.
9. Assembling parts by doweling.
10. Forming complete unit from subassemblies:
  - a. cabinets and tops
  - b. dressers
  - c. chests
  - d. vanities
  - e. stands
  - f. mirrors
  - g. beds
11. Assembling wall panels and wainscot.

**K. Installation** **475 – 1,000**

1. Installing cabinets.
2. Installing other built-ins.
3. Installing paneling.

**L. Finishing and Trimming** **450 – 600**

1. Finish sanding.
2. Staining.
3. Sealing.
4. Varnishing and lacquering.
5. Assembling and installing hardware.
6. Inspecting final product.
7. Final touch up and repair.

**Approximate Total Hours** **5200 – 8000**

*Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to <https://dol.ny.gov/public-work-and-prevailing-wage>*

# **CABINETMAKER**

## **APPENDIX B**

### **RELATED INSTRUCTION**

#### **Safety (16 hours minimum)**

1. Fundamentals (4 hours minimum)
2. Trade Safety (12 hours minimum)
  - a. Protective Clothing and Devices
  - b. Safety Shields/Guards on Machinery
  - c. State and Federal Safety Codes and Regulations
3. First Aid (minimum 6.5 hours every 3 years)
4. Sexual Harassment Prevention Training – must comply with Section 201-g of the Labor Law

#### **Blueprint Reading and Drawing**

1. Elementary Blueprint Reading
2. Freehand Sketching
3. Shop Drawing Drafting
4. Pattern and Template Layout
5. Cabinet/Furniture Design (C.A.D., if available)
6. Architectural Drafting 1 & 2 (optional)

#### **Mathematics**

1. Fundamentals
2. Trade Math
3. Using Inches and Metric Measurements
4. Estimating
5. Using Handbooks, Tables, References
6. Stock Bill Preparation

#### **Trade Theory and Science**

1. Ethics and History of the Trade
2. Materials of the Trade
3. Strength of Materials
4. Acceptable Standards for Materials and Workmanship

5. Hand and Power Tools: Use and Care
6. Set Up, Operation, Maintenance of Power Machinery and Equipment
7. Interior Finishing
8. Exterior Finishing
9. Period Furniture
10. Stairbuilding
11. Introduction to the Computer

**Industrial and Labor Relations (20 Hours)**

1. History and background (6 hours, 1st year)
2. Current Laws and Practices (14 hours, 2nd year)

**Other Related Courses as Required.**

144 Hours of Related Instruction are required for each Apprentice for each year.

Appendix B topics are approved by New York State Education Department.