

Cabinetmaking

General Assessment Information

Blueprint Contents

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Test Type: The Cabinetmaking industry-based credential is included in NOCTI's Job Ready assessment battery. Job Ready assessments measure technical skills at the occupational level and include items which gauge factual and theoretical knowledge. Job Ready assessments typically offer both a written and performance component and can be used at the secondary and post-secondary levels. Job Ready assessments can be delivered in an online or paper/pencil format.

Revision Team: The assessment content is based on input from secondary, post-secondary, and business/industry representatives from the states of Georgia, Maine, Michigan, Oklahoma, and Pennsylvania.



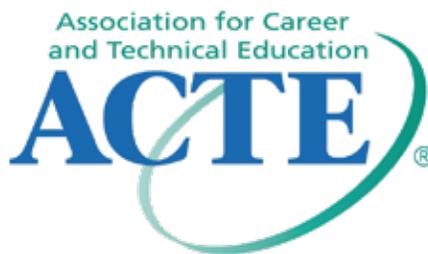
48.0703- Cabinetmaking
and Millwork



Career Cluster 2- Architecture
and Construction



51-7011.00- Cabinetmakers
and Bench Carpenters



The Association for Career and Technical Education (ACTE), the leading professional organization for career and technical educators, commends all students who participate in career and technical education programs and choose to validate their educational attainment through rigorous technical assessments. In taking this assessment you demonstrate to your school, your parents and guardians, your future employers and yourself that you understand the concepts and knowledge needed to succeed in the workplace. Good Luck!



NATIONAL COLLEGE CREDIT RECOMMENDATION SERVICE
University of the State of New York - Regents Research Fund

In the lower division
baccalaureate/associate degree
category, 3 semester hours in
Cabinetmaking

Written Assessment

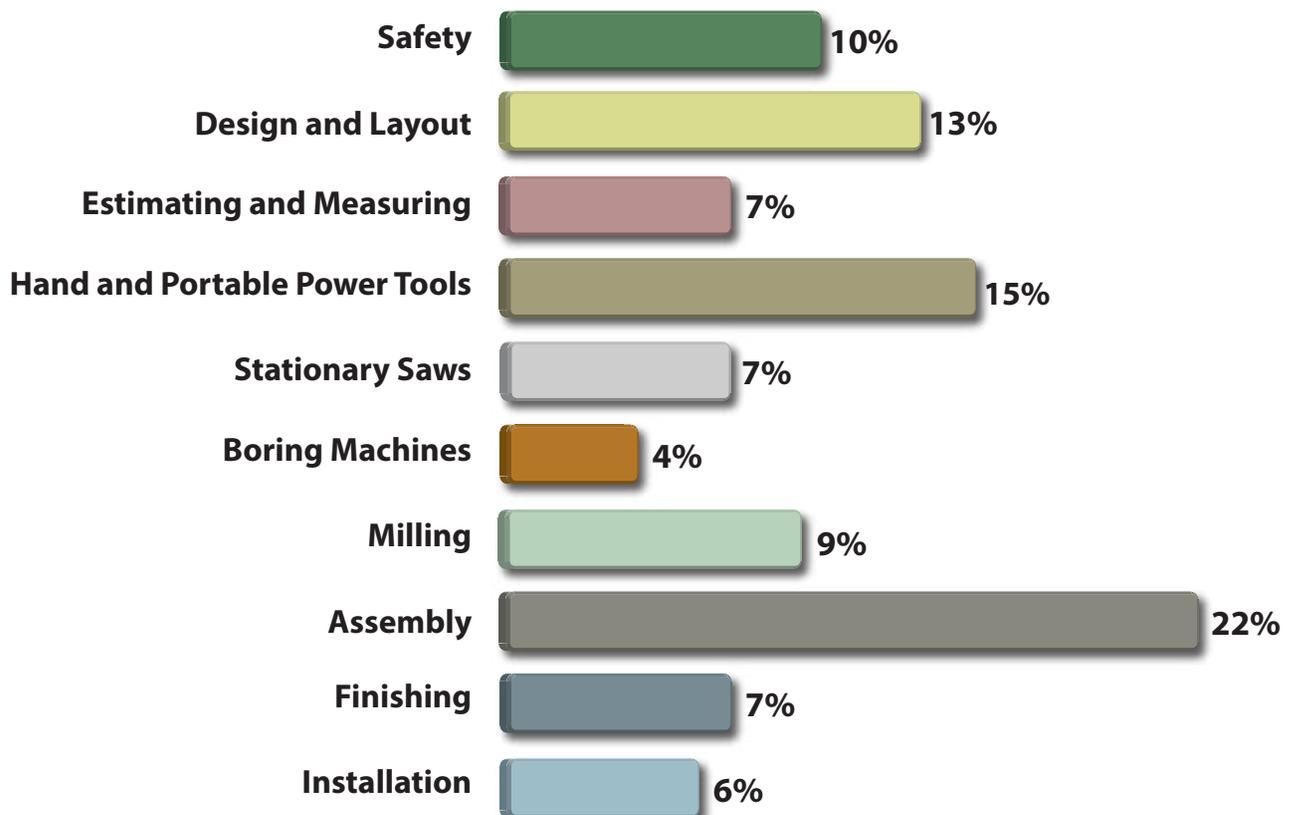
NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

Administration Time: 3 hours

Number of Questions: 156

Number of Sessions: This assessment may be administered in one, two, or three sessions.

Areas Covered



Specific Standards and Competencies Included in this Assessment

Safety

- Apply shop and personal safety rules and procedures, including appropriate personal protective equipment (PPE)
- Identify minor first aid treatment procedures
- Apply fire and electrical safety rules and procedures
- Identify MSDS related issues and information

Design and Layout

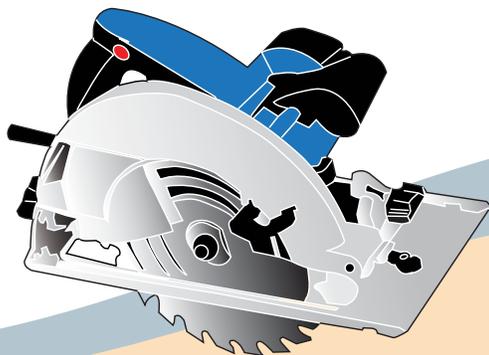
- Interpret blueprints and specifications
- Prepare and interpret shop drawings/rough sketches
- Prepare or interpret detailed drawings
- Prepare a cut list or bill of material
- Identify and meet industry standards
- Identify types of joints and their uses

Estimating and Measuring

- Read scales and measurements
- Calculate quantities
- Estimate labor and material costs

Hand and Portable Power Tools

- Identify or demonstrate proper use and function of portable power cutting tools
- Identify or demonstrate proper use and function of fastening tools
- Identify or demonstrate proper use and function of portable sanders
- Identify or demonstrate proper use and function of portable routers
- Identify or demonstrate proper use and function of hand tools
- Identify or demonstrate proper use and function of portable drills and drivers



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Specific Standards and Competencies (continued)

Stationary Saws

- Identify or demonstrate proper use of stationary saws
- Remove and replace stationary saw blades

Boring Machines

- Identify or demonstrate proper use of boring machines
- Select and use appropriate boring machine bits

Milling

- Identify or demonstrate proper use of planers and jointers
- Identify or demonstrate proper use of shapers and stationary routers
- Identify or demonstrate proper use of wood lathes
- Identify or demonstrate proper use of stationary sanders
- Prepare rough stock

Assembly

- Identify and demonstrate methods of case construction
- Identify and assemble joints
- Identify and demonstrate methods of face frame construction
- Identify and assemble various styles of door construction
- Identify and assemble various types of drawer construction
- Apply laminates, veneers, and countertops
- Select and install hardware and accessories
- Identify and use various fasteners

Finishing

- Identify and apply various finishing materials
- Safely use and store finishing materials
- Safely use finishing tools and equipment

Installation

- Install a base cabinet
- Install a wall cabinet
- Identify industry standards for installation

Sample Questions

To prevent lumber from falling when stacked,

- A. make one large stack
- B. put heavy weights on top of the stack
- C. cross-stack, block, or tier the stack
- D. tie the stack down with rope

A compound miter is cut on a power miter saw by

- A. turning the blade and stock to the correct angle
- B. turning only the arm to the correct angle
- C. tilting the motor unit and turning the arm to the correct angles
- D. tilting only the motor unit

A scale is an instrument with all increments

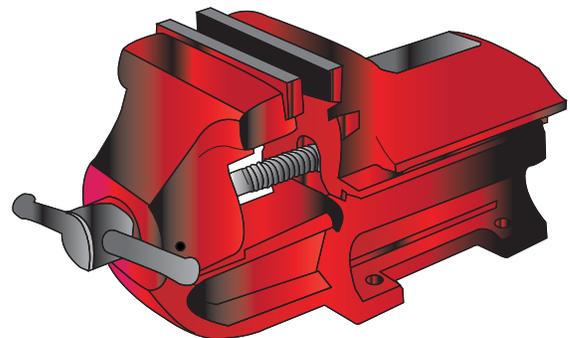
- A. longer than needed
- B. shortened to proportion
- C. shortened to length of project
- D. longer than length of project

To turn a straight cylinder on the lathe,

- A. use a roughing gouge and a skew chisel
- B. use only a parting tool
- C. size a rough cylinder with a round nose and calipers
- D. use only a round-nose chisel

To receive the bottom, the cabinet end panels are usually

- A. dadoed
- B. grooved
- C. rabbeted
- D. splined



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Sample Questions (continued)

The operator should always _____ the portable saw before changing the blade.

- A. turn off
- B. lubricate
- C. power down
- D. unplug

Which tool would be used most often for "plunge cutting"?

- A. table saw
- B. router
- C. saber bit
- D. saber saw

Pneumatic tools require periodic maintenance for cleaning and _____ of internal parts.

- A. oiling
- B. flushing with solvent
- C. flushing with alcohol
- D. watering

When gluing up stock, the correct amount of glue is indicated by

- A. glue dripping out of the joint
- B. no glue visible along the joint
- C. the type of glue being used
- D. small beads of glue along the joint

When surfacing a number of pieces of stock,

- A. run the thinnest pieces first
- B. run the thickest pieces first
- C. turn the power on before making adjustments
- D. butt pieces less than 12 inches end-to-end as they are run through

Performance Assessment

NOCTI performance assessments allow individuals to demonstrate their acquired skills by completing actual jobs using the tools, materials, machines, and equipment related to the technical area.

Administration Time: 3 hours and 20 minutes

Number of Jobs: 3

Areas Covered:

24% Develop a Cut List

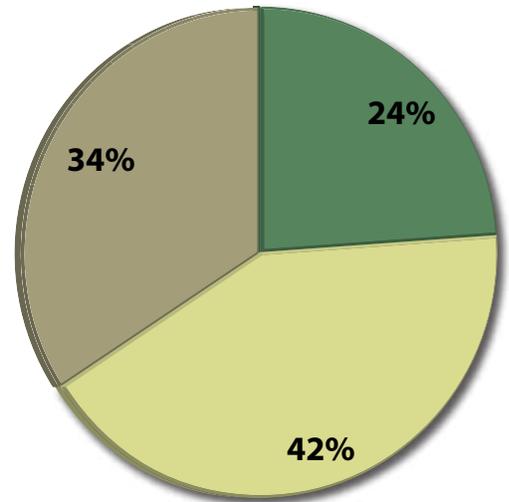
Participants will correctly record information on rails A, B, and C, on the stiles, drawer face, box sides, front and back, and bottom.

34% Lay Out, Cut, and Assemble Face Frame

Participants will use materials effectively, select tools and equipment, fit a biscuit joint, pocket screw, mortise and tenon, and dowel pin, and have a correct width, height, rail spacing, and diagonal dimensions of the completed project.

42% Lay Out and Assemble One Drawer

Participants will select tools to perform hand operations, cut and shape to correct drawer box width, height, depth, length, and diagonal dimensions, with correctly applied laminate for a proper completed project.



Sample Job

Develop a Cut List

Maximum Time: 20 minutes

Participant Activity: The participant is to use the shop drawings provided as the source of all dimensions and information, and complete the cut list.

