



2024 Carpentry Competition

FACT SHEET

Project Manager

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For questions related specifically to the carpentry competition, contact Derek Herr at dherr@wohlsen.com. For all event questions, contact Jarrell Jackson, National Craft Championships director, at (202) 595-1789 or jackson@abc.org.

Specific Competition Eligibility

The carpentry competition has no competition-specific eligibility requirements. Please refer to the overall eligibility requirements listed in the guidebook.

Online Exam

The online exam must be completed before competitors arrive on site, at a local NCCER Accredited Training Sponsor or Assessment Center. Accommodations will be made for extreme circumstances with prior approval of the NCC director. All competitors must sit for the online exam or face disqualification from the NCC. The online exam continues to make up 25% of one's overall competition score. It is the responsibility of the sponsor organization to schedule test sessions directly with NCCER. Test registration and guidelines will be available in January 2024.

Practical Performance Test Description

Carpentry competitors will perform hands-on tasks specific to the trade. Tasks will consist of both commercial and residential methods of building, studied and performed throughout their apprenticeship and OJT training. Competitors will use a combination of metal and wood components in the construction of wall and roof systems. Knowledge of blueprint reading, layout, framing, rafter layout and cutting, stair layout and building, concrete forms, interior trim, material takeoff and a use of a builder's level are essential.

The competitor must also be proficient in print reading, understanding general notes and floor layout. A medal-winning performance can come to those who best utilize their time, materials and skills knowledge to safely and accurately complete, to the best of their ability, the practical skills challenge before them. Construction master calculator or equivalent will be permitted. Safety will play a big part of your practical. Review score sheet and safety scope.

Note: On the first day of orientation, Competitors will be doing hands-on exercises. please come to Orientation with proper footwear, work pants and personal gloves if bringing your own.
Knowledge

Knowledge and Skills Required

The knowledge and skills for this competition are based on all labels of the NCCER carpentry curriculum. It is strongly recommended that competitors have a working knowledge equivalent to a third-year apprentice.

Tools Required

Tools may be examined prior to the practical performance test and additional tools will be stored until the competition has concluded.

ABC will provide the following tools:

- Claw hammer
- Nail bags
- Cat's paw/nail puller
- 1-inch wood chisel
- Framing square/rafter square
- 2-foot level
- Speed square
- Nail set
- Two locking c-clips (6R or equivalent)
- Flat pry bar
- Utility knife—Auto retractable blade
- 25-foot measuring tape
- Carpenter's pencils (2)
- Chalk line/chalk
- Handsaw
- Side cutters
- Coping saw
- Tin snips
- Drywall saw
- Stair gauges
- Work gloves
- Knee pads

Review the safety scope for the following power tools:

- Circular saw—Milwaukee Cordless
- Miter box—Milwaukee Cordless
- Impact driver—Milwaukee Cordless
- Drill—Milwaukee Cordless
- Jigsaw-Milwaukee Cordless
- 16 Gauge Finish Nailer-Milwaukee Cordless

Competitors are responsible for bringing the following:

- Construction master calculator or equivalent

Sample Score Sheet

The following sample score sheet is provided to give competitors an example of the criteria that may be included in the practical performance test. However, this score sheet is only a sample and not intended to act as a study guide in preparation or to imply specific criteria that will be judged during the actual practical performance test.

ABC National Craft Championships Carpentry Sample Score Sheet

DESCRIPTION	POINT VALUES	
GENERAL		
Accurate orientation/location per plans		
Efficient use of material		
Proper use of fasteners		
GENERAL - POSSIBLE POINTS		
WOOD FRAMING		
Accurate to print		
Drywall		
Accurate to given dimensions		
Assembly (plumb, level, square - fit - fasteners)		
WOOD WALL - POSSIBLE POINTS		
STEEL FRAMING		
Accurate to print		
Accurate to given dimensions		
Assembly (plumb, level, square - fit - fasteners)		
METAL FRAMING - POSSIBLE POINTS		
RAFTERS		
Correct slope		
Accurate to drawings		
Assembly		
RAFTERS - POSSIBLE POINTS		
STAIRS		
Accurate to drawings		
Accurate cuts (rise/run)		
Assembly		
STAIRS - POSSIBLE POINTS		
TRIM		
Accurate to given dimensions		
Accurate cuts and assembly		
Proper use of fasteners		
TRIM - POSSIBLE POINTS		
SAFETY		
Proper use of hand saw		
Proper PPE use hearing protection		
Proper PPE use eye protection		
Proper use of gloves		
Demonstrated safe work practices		
Maintained a clean, uncluttered work area		
SAFETY - POSSIBLE POINTS		40
CONCRETE FORM		
Proper Fasteners		
Square		
Anchor bolt position		
CONCRETE FORM - POSSIBLE POINTS		
TAKE OFF PRACTICAL		
TAKE OFF PRACTICAL - POSSIBLE POINTS		
ELEVATION PRACTICAL		
ELEVATION PRACTICAL - POSSIBLE POINTS		
DOOR HARDWARE PRACTICAL		
DOOR HARDWARE PRACTICAL - POSSIBLE POINTS		
TOTAL POSSIBLE POINTS		200