

PACT Carpentry Certification

Exam Objectives:

CARPENTRY TOOLS AND SAFETY1 CARPENTRY TOOLS AND SAFETY

1. Understand the safe use of carpentry hand and power tools.
2. Demonstrate the proper use of carpentry tools and equipment.

LUMBER IDENTIFICATION AND USE

3. Describe lumber defects.
4. Describe standard lumber sizing

CALCULATE SQUARE AND LINEAL FOOT MEASUREMENTSMEASUREMENTS

5. Calculate square foot and lineal foot measurements and cubic measurements.
6. Translate measurements from paper to work environment.

BUILD CONCRETE FORMS

7. Identify the types of forms (conventional and engineered) and components.
8. Build forms for concrete walls, columns, and piers with proper bracing.
9. Strip concrete forms.

FRAME FLOORS, WALLS/PARTITIONS, CEILINGS, AND ROOFS

10. Identify the components of floor framing systems (conventional and engineered systems).
11. Identify the components of wall framing systems (wood and metal).
12. Identify the components of roof framing systems (conventional and engineered).
13. Frame walls, floors, and ceilings to 16" and 24" on center.
14. Frame a basic roof structure.

APPLY ROOF SHINGLES

15. Understand basic roofing concepts
16. Understand all basic roofing safety techniques.
17. Trim, position, and affix roof shingles properly.

INSTALL EXTERIOR DOORS AND WINDOWS

18. Identify different types and sizes of doors and windows.
19. Install exterior doors and windows per manufacturer's instructions and recommendations

INSTALL SIDING AND EXTERIOR TRIM

20. Identify types of siding and exterior finish systems.
21. Measure, cut, and install siding per manufacturer's recommendations.
22. Install exterior trim per manufacturer's recommendations.

INSTALL INSULATION AND WALLBOARD

23. Identify different types and sizes of drywall and sheet goods.
24. Identify types of insulation and their uses.
25. Install insulation per manufacturer's recommendations.
26. Install drywall and plywood paneling per manufacturer's recommendations.

INSTALL INTERIOR DOORS AND TRIM

27. Install interior doors per manufacturer's recommendations.
28. Install interior trim per manufacturer's recommendations.

PERFORM MINOR REPAIRS

29. Identify common carpentry repair problems.
30. Perform minor repairs correctly.