

Assessment Blueprint

Pre-Apprenticeship Certificate Training (PACT) Building Construction Technology Examination



8370- Online Version
8371- Paper/Pencil Version

General Assessment Information

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General Assessment Information
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Test Type: This Pre-Apprenticeship Certificate Training (PACT) certification assessment is a customized assessment for the Home Builders Institute (HBI). This assessment measures technical skills at the occupational level and includes items which gauge factual and theoretical knowledge. This assessment offers a written component and can be used at the secondary level and post-secondary levels. Students who complete training through an HBI PACT program are eligible to sit for the PACT Certification Assessments. This assessment 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 state of Illinois, Florida, Maine, Missouri, Pennsylvania, and Texas.



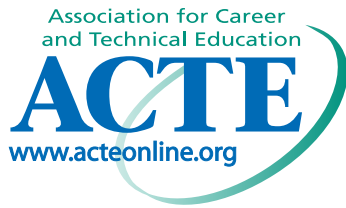
46.0401 – Building/Property
Maintenance



Career Cluster 1- Architecture
and Construction



49-9071.00 – Maintenance and
Repair Workers, General



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!



Home Builders Institute (HBI), an affiliate of the National Association of Home Builders (NAHB), is a national leader for career training in the building industry. HBI's educational materials are designed to be relevant in today's rapidly changing environment, bringing increased professionalism, competency and effectiveness to those entering the residential construction workforce.

HBI Pre-Apprenticeship Certificate Training (HBI PACT) is a U.S. Department of Labor-approved training curricula for construction programs nationwide. Based on the NAHB occupational skills standards, HBI PACT is utilized by Workforce Investment Boards, private foundations, Home Builder Association pre-apprenticeship programs, unions, State departments of education, juvenile justice and corrections and others training entities and community based organizations that seek to provide an entry-level construction training program to prepare individuals for careers in the building industry. These third-party assessments provide instructors, students and employers a verification of the skills attained in the HBI PACT training program.

Written Assessment

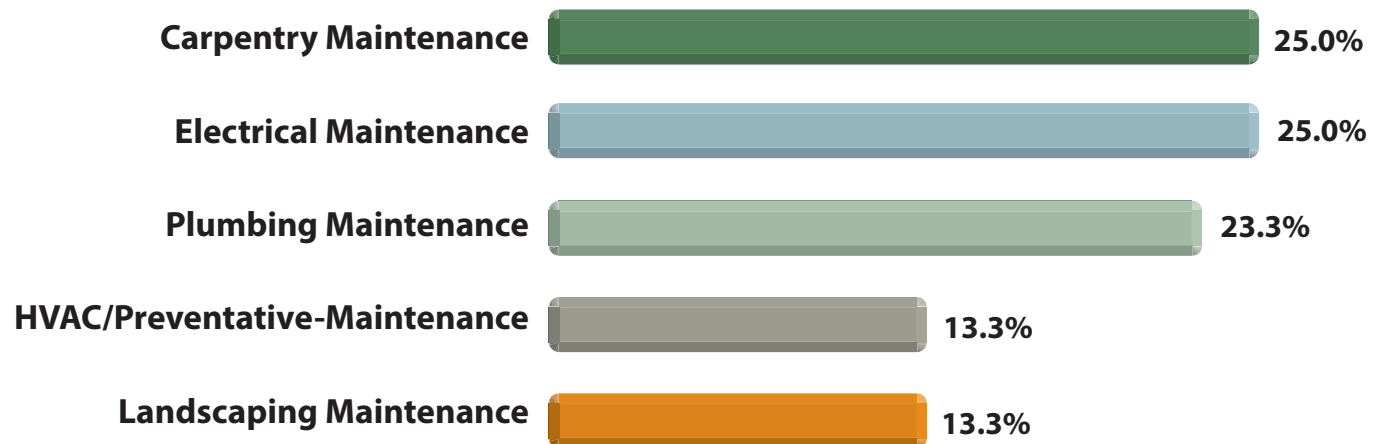
This written assessment consists of questions to measure an individual's factual theoretical knowledge.

Administration Time: 50 minutes

Number of Questions: 60

Number of Sessions: This assessment may be administered in one session.

Areas Covered



Specific Competencies and Skills Tested in this Assessment

Carpentry Maintenance

- OSHA, Safety/Fire, Tool/Hand, Tool/Power, Materials, Underlayment, Plaster, Trim, Insulation, and Tools

Electrical Maintenance

- Safety, Hand Tool, Power Tool, Test Equipment, Switches, Ground, Outlet, and Cable

Plumbing Maintenance

- Safety, Tools/Hand, Tools/Power, Materials, Drains, Fittings, Caulk, and Tile

HVAC/Preventive-Maintenance

- Safety, Filters, Condenser, Smoke Detector, Shutoff, Evaporator, and Coil Fins

Landscaping Maintenance

- Mower, Safety, Prune, Mulch, and Trees



Sample Questions

Which of these statements is true?

- A. All electrical equipment should be considered energized until determined to be deenergized.
- B. OSHA requires that employees be trained in safety related work practices.
- C. Never cut off the grounding prong on an electrical plug.
- D. All of the above

Which of these tools should be used to prevent scratching a chrome finish on a pipe or fixture?

- A. Chain wrench
- B. Basin wrench
- C. Strap wrench
- D. Standard pipe wrench

Which of these is a female adapter?



A



B



C



D

- A. Fitting A
- B. Fitting B
- C. Fitting C
- D. Fitting D

Which of these should be followed when working on electrical systems and devices?

- A. Never use test equipment on any-energized circuit that is above what it is rated for.
- B. Always use calibrated test equipment.
- C. Tool repairs should be made only by a qualified person.
- D. All of the above

