

CTEtechWorks® is HBI's web-based learning management platform of instructional tools, content and testing materials designed to supplement and reinforce hands-on training.

HBI PACT exams that lead to a HBI PACT Certification can be obtained through HBI's CTEtechWorks®.

Instructors that are certified by HBI and their participants must register and have CTEtechWorks® accounts.

Under the instruction and direction of Instructors, participants must complete a minimum of 80% of the Learning Objectives listed for each PACT Certification (see PACT Curriculum Overview link on this page) AND pass the PACT Certification Exam at a minimum of 70%.

Completion and award of *PACT Core is a required prerequisite to earning any PACT Trade Certification.

PACT exam certification process:

- **Student completes the learning path.**
All existing course materials and hands-on work must be completed at least 80%.
- **Student checkpoint at the end of the learning path.**
Student confirms with Instructor, completion of all required hands-on work and readiness for the final test by submitting the checkpoint.
- **Instructor notification and review.**
The instructor is notified through the dashboard when the checkpoint is submitted. Instructor verifies:
 - Minimum 80% of hands-on work completed.
 - State-specific requirements for final test administration (e.g., closed-book, proctored if required).
- **Final assessment remains locked until instructor approval.**
Instructor unlocks and assigns the final test only after all requirements are met.
- **Assessment conditions:**
 - Final assessments are **not open-book or open-reference when state or program rules are required.**
 - **Limitless retakes without remediation or remuneration are not allowed.**
 - Unsuccessful participants must undergo remediation or additional instruction before retesting.

- Passing score is a **minimum 70%**.
- **Certificate issuance and validity.**
Certificates are generated automatically upon successful completion and are valid for **five years**.
- **Attainability:**
 - PACT Certifications are designed for and attainable by:
 - **High school students.**
 - **Adult professionals** in the workforce.
 - Certifications include foundational (PACT Core) and a wide range of trade-specific credentials. ALL HBI PACT included Certifications are listed below and require a minimum of 150 hours of Instruction.

HBI PACT Certifications:



*PACT Core

- Safety & first aid
- Construction math & blueprint reading
- Tools & Construction Materials
- Employability



PACT Green Building

- Basic Environmental literacy
- Green Building concepts
- Green Building trade Skills
- Building science fundamentals



PACT Carpentry

- Hand & power tools safety
- Lumber identification
- Calculate square & lineal measurements
- Build forms
- Frame floors, walls, ceilings & roof
- Apply roof shingles
- Install exterior doors & windows
- Install siding and exterior trim
- Install insulation and wallboard
- Install interior doors and trim
- Perform minor repairs



PACT Electrical

- Electrical Safety
- Electrical tools and equipment
- Electrical Concepts
- Basic electrical formulas
- Circuits, switches and outlets



PACT Plumbing

- Tools, concepts and safety & health
- Pipe Joining
- Rough-in Plumbing systems
- Install plumbing fixtures
- Pressure test plumbing systems
- Repair basic plumbing problems
- Water/Energy conservation



PACT Masonry

- General masonry concepts & tools
- Temporary work platforms
- Masonry measuring and cutting
- Brick, Block & Stone
- Cement & Mortar



PACT Landscaping

- Landscaping Safety (chemicals)
- Materials & Plant identification
- Landscaping maintenance
- Fungicides, pesticides, and herbicides



PACT Painting

- Painting Tools & safety
- Painting Fundamentals
- Protecting surfaces
- Surface Preparation
- Sealants, filler and repairs
- Paints & Coatings
- Applications
- Finishing & Stains
- Drywall Finishing
- Spraying & Texturing



PACT Building Construction Technology

- Interpret & complete work orders.
- Make an apartment ready for a new tenant.
- Repair tile.
- Repair minor plumbing, carpentry, electrical, and appliance problems.
- Conduct preventive maintenance (HVAC).
- Repair drywall.
- Maintain pools.
- Maintain grounds.
- Perform basic exterior building maintenance.



PACT Weatherization

- Manage basic documents in assisted and market weatherization.
- Perform energy-related maintenance.
- Install insulation, caulking, weatherstripping, and other sealing.
- Repair or replace exterior finishes (including siding, windows, and doors) with efficient alternatives.
- Repair or replace plumbing fixtures with energy efficient alternatives.
- Perform routine weatherization upgrades to HVAC, plumbing, electrical, and occupant safety systems.



PACT HVAC

- Basic HVAC Safety
- Math for HVAC
- HVAC Tools & Materials
- Blueprint reading for HVAC
- Refrigeration principles
- Air Conditioning principles
- HVAC Electrical
- Motors
- Instruments & Refrigerant
- Tubing & piping
- Air distribution systems
- Preventive Maintenance
- Air treatment devices
- Heaters & boilers