

EEA Monthly Bulletin

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Meet Jeremiah Herman Energy Program Coordinator

Jeremiah Herman is the new Arkansas Energy Office Program Coordinator. A native of Little Rock, Herman graduated from Catholic High School and then the University of Notre Dame with degrees in finance and sociology.

For the past nine years, Herman has been in property management where his focus was high occupancy rates for property owners and safe, comfortable living spaces for residents. When not at work, Herman enjoys acting in community theatre productions, cooking with his fiancée, and CrossFit workouts.



Upcoming Events	City	Date
Emerson-Taylor-Bradley School District (Presentation)	Taylor	August 12

Recent Events	Instructor (s)	Date	Attendance
No recent events			

Upcoming Trainings	City	Date
Building Science Principles online course and exam	Online	January 1—December 31
Manual J	Little Rock	February 25-26
Manual J	Mountain Home	March 4-5
Manual J	Jonesboro	March 11-12
Manual J	Hot Springs	March 18-19
Manual J	Forest City	March 25-26
Manual J	El Dorado	April 7-8

Recent Trainings	Instructor (s)	City	Date	Attendance
Building Envelop Design, Construction & Commissioning Course 1	Rick Vance, Cory Keen, John Matejka	Webinar	December 3	27
Building Envelop Design, Construction & Commissioning Course 2	Rick Vance, Cory Keen, John Matejka	Webinar	December 10	18
Building Science Principles online course and exam	Online Course	Online	July 29 - December 31	10

For more information, contact:

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OVERVIEW



What is the certificate?

Earning the Building Science Principles (BSP) Certificate of Knowledge proves that you have basic knowledge of building science. Building science demonstrates how various components of a home interact to affect the home's overall performance.

The BSP Reference Guide, available in both English and Spanish, teaches you some of the widely-used industry terminology and concepts related to building science.

Understanding the relationships between the building envelope, heating, AC, insulation, mechanical ventilation, and other systems of the home will help you understand how these systems affect the comfort, health, and safety of its occupants.

You can study the guide and then challenge the online exam from your computer to earn the BSP certificate.

To learn more about the BSP, please visit bpi.org/certificate or email bsp@bpi.org.

“This guide is easily readable and well-illustrated: a powerful resource for filling in gaps in building science knowledge.”

-Daniel Lea, Cellulose Insulation Manufacturers Association

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Founded in 1993, the Building Performance Institute (BPI) is the nation's premier certification and standard-setting organization for home performance professionals.

BPI is a 501(c)(3) nonprofit organization accredited by the American National Standards Institute, Inc. (ANSI) as a developer of American National Standards and as a certifying body for personnel credentials. BPI develops the technical standards for home energy audits and for energy efficiency, health, and safety improvements.

From these standards, BPI develops rigorous online and field exams for BPI's professional certifications.

bpi.org
info@bpi.org

Building Performance Institute, Inc.
107 Hermes Road, Suite 210
Malta, NY 12020

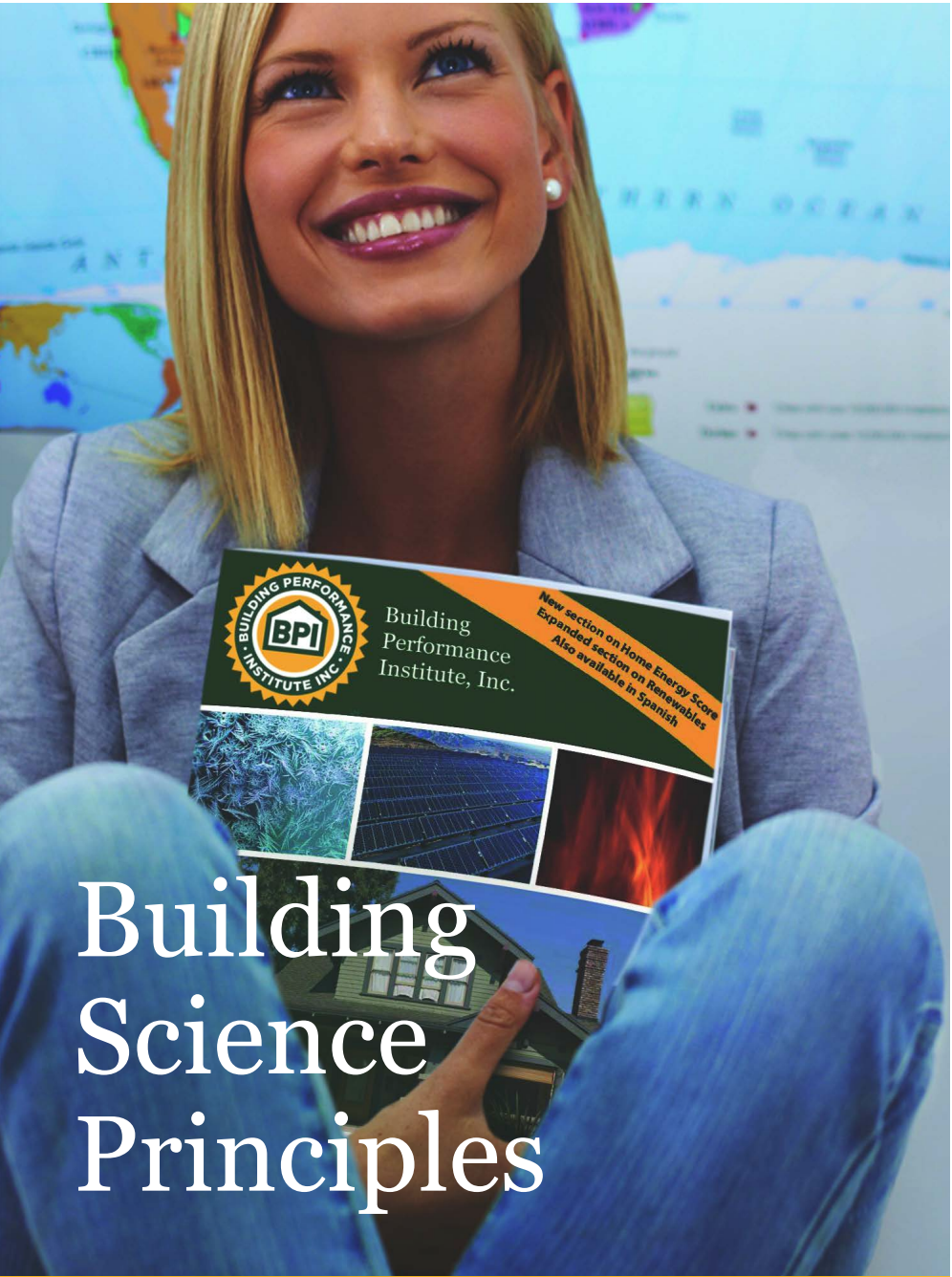
Phone: (518) 899-2727
Toll-Free: (877) BPI-1BPI
Fax: (518) 899-1622



The symbol of excellence for home performance contractors

SM

CERTIFICATE OF KNOWLEDGE



Building Science Principles

The Building Science Principles certificate is your first step into the world of home performance.

bpi.org



SM

The BSP certificate proves your basic knowledge of building science.

Please note: The BSP certificate is not a professional certification. To learn more about BPI certifications, visit bpi.org/certification.



WHO SHOULD GET THE CERTIFICATE



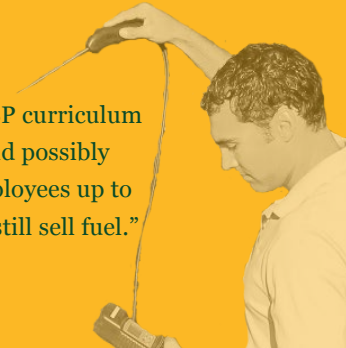
Who should get this certificate?

- The Building Science Principles (BSP) Certificate of Knowledge is designed for a variety of audiences, including:
- Remodelers and home improvement contractors
 - Insulation, HVAC, and window installers
 - Employees of contracting companies
 - Community college students interested in a career in the building trades
 - Vocational or technical trade students
 - Secondary school students interested in environmental sustainability
 - Realtors
 - Energy-related product manufacturers and their distributors
 - Sales representatives
 - Homeowners and renters

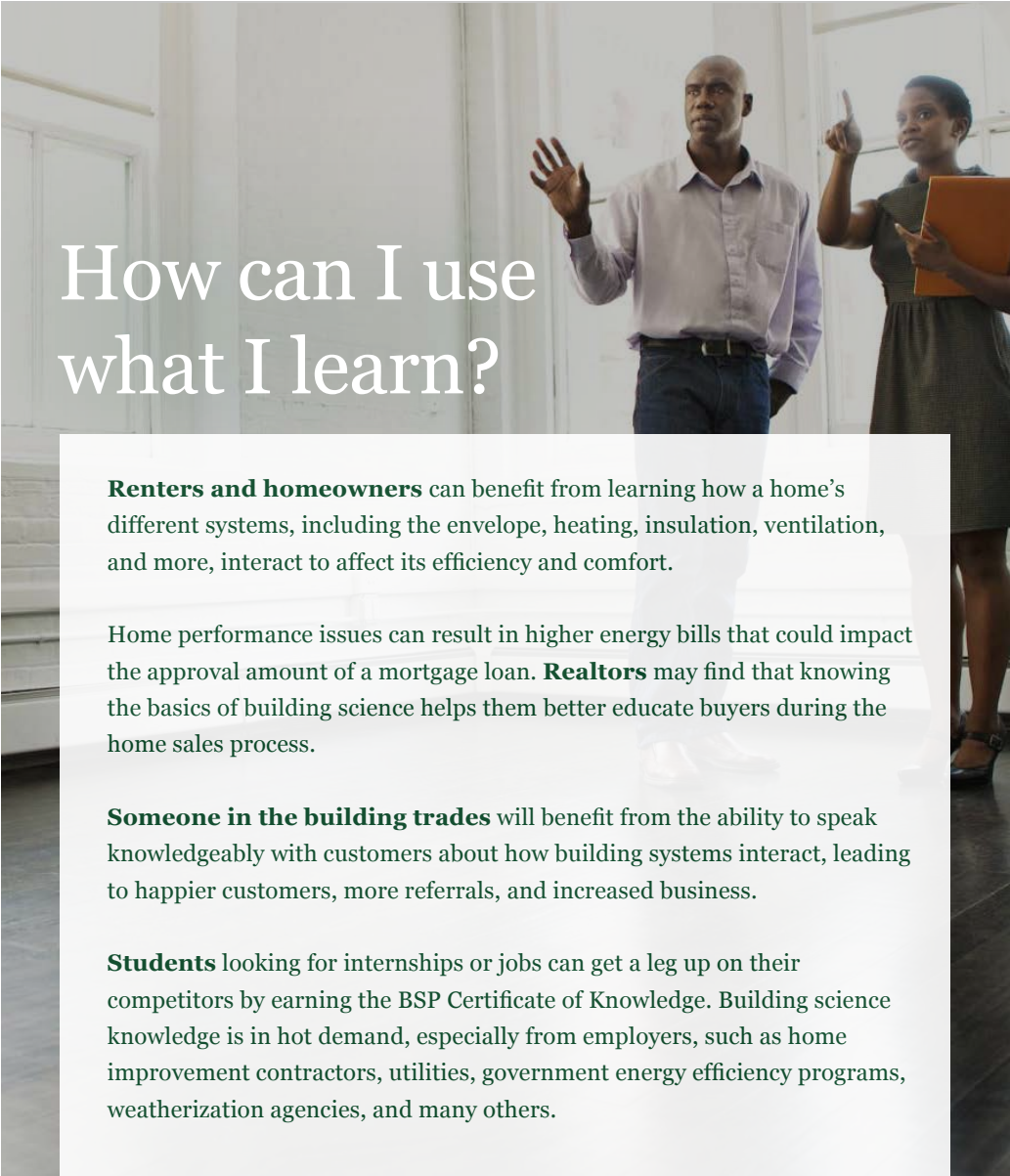
Case Study: Home Performance Contractor

BantamWesson is an HVAC and energy efficiency company. 85% of their staff obtained the Building Science Principles (BSP) Certificate of Knowledge.

“The BSP curriculum enlightened our customer service representatives, our sales people, our oil delivery guys, and senior management on how understanding the house as a system can help each and every conversation they have with our customers. Although our HVAC technicians are already knowledgeable on this, the BSP curriculum helped them to convey concepts to the homeowner and possibly upsell our other services. The BSP helped get our employees up to speed on why we offer energy efficiency services and still sell fuel.”



VALUE OF THE CERTIFICATE



How can I use what I learn?

Renters and homeowners can benefit from learning how a home’s different systems, including the envelope, heating, insulation, ventilation, and more, interact to affect its efficiency and comfort.

Home performance issues can result in higher energy bills that could impact the approval amount of a mortgage loan. **Realtors** may find that knowing the basics of building science helps them better educate buyers during the home sales process.

Someone in the building trades will benefit from the ability to speak knowledgeably with customers about how building systems interact, leading to happier customers, more referrals, and increased business.

Students looking for internships or jobs can get a leg up on their competitors by earning the BSP Certificate of Knowledge. Building science knowledge is in hot demand, especially from employers, such as home improvement contractors, utilities, government energy efficiency programs, weatherization agencies, and many others.

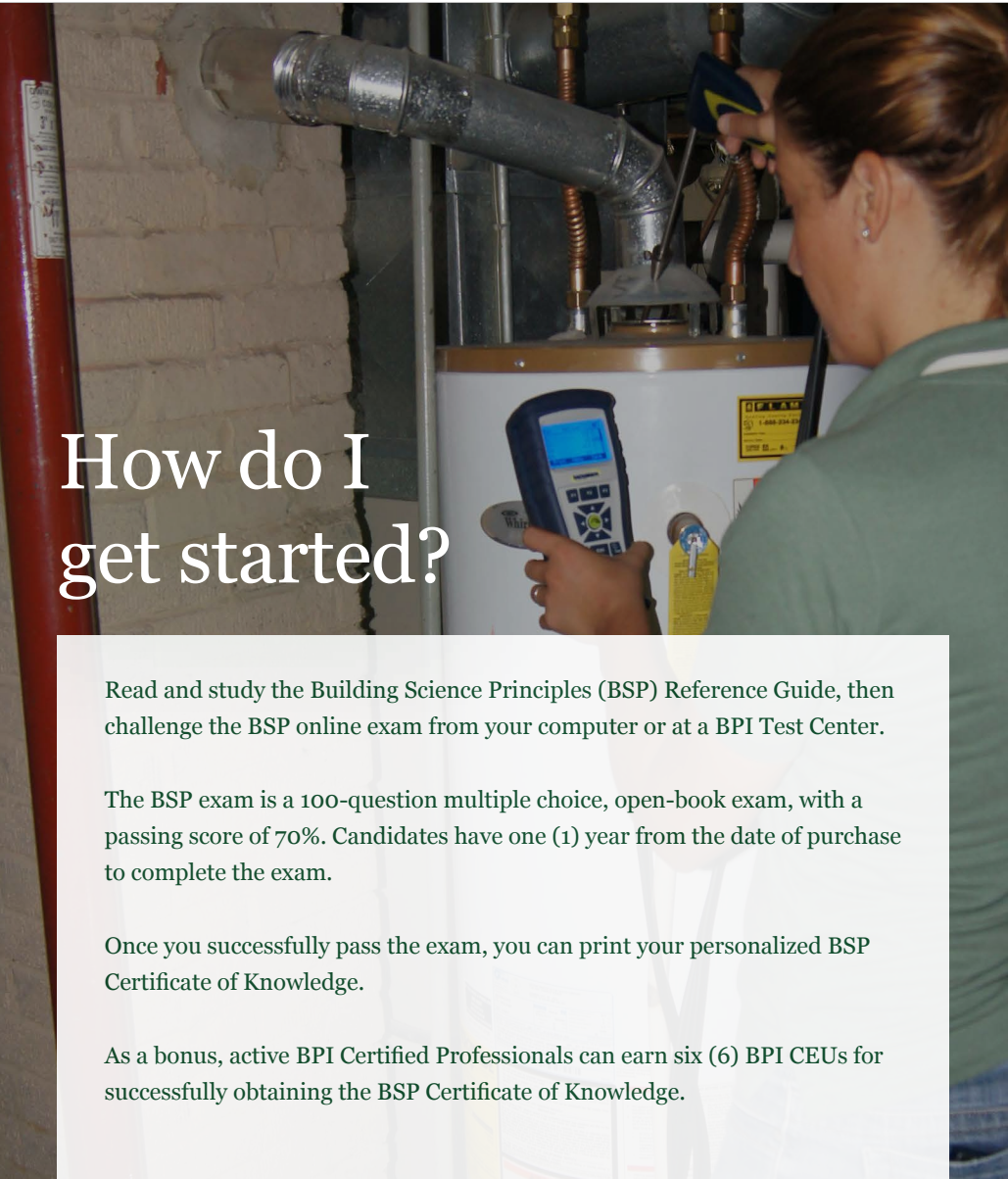
Case Study: High School Workforce Development

The **Green STEP program**, an **Energize Connecticut** collaborative, prepares Connecticut technical high school students for green industry jobs. So far, **over 110 students** and **144 construction and science teachers** have obtained the Building Science Principles (BSP) Certificate of Knowledge.

“The BSP lays the foundation for building science education. The BSP training course empowers anyone who takes it to talk intelligently about buildings, areas of concern that need weatherization, and the immediate health, safety, and performance benefits that come from building correctly and addressing problems. High school students that obtain the Certificate of Knowledge increase the value of their future employment.”



GETTING STARTED



How do I get started?

Read and study the Building Science Principles (BSP) Reference Guide, then challenge the BSP online exam from your computer or at a BPI Test Center.

The BSP exam is a 100-question multiple choice, open-book exam, with a passing score of 70%. Candidates have one (1) year from the date of purchase to complete the exam.

Once you successfully pass the exam, you can print your personalized BSP Certificate of Knowledge.

As a bonus, active BPI Certified Professionals can earn six (6) BPI CEUs for successfully obtaining the BSP Certificate of Knowledge.

Case Study: Technical Institute

The **Wichita Technical Institute (WTI)** HVAC/R program provides the training students need to begin successful careers in the field. WTI offers Building Science Principles (BSP) training to HVAC students as a way of incorporating house-as-a-system concepts into the overall program. At the end of the training, students take the exam to obtain the accompanying BSP Certificate of Knowledge.

“The Building Science Principles exam has been perfect for HVAC/R students at WTI. The study material is current and well-written, and the knowledge the students walk away with is invaluable.”



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Training Opportunities

- Meeting all AR Health Department COVID 19 Protocols (PPE & supplies furnished)
- Two days
- 8:30 a.m. to 5:00 p.m. daily
- What you will learn
 - Basic one story home
 - Tri-level home
 - Vaulted Ceilings
 - Encapsulated Construction
 - Optimal Orientation
 - Creating Templates
 - Much More
- One student per company (Class limited to 9)
- Tuition
 - \$350 with one year subscription to Wrightsoft software
 - \$50 if you already have current subscription to software
 - Lunch & refreshments furnished
- What you will need
 - Laptop with windows operating system
 - Mouse other than one on computer (must have)
 - 20 foot extension cord
- Classes meet (select your preferred location when you sign up)
 - February 25 & 26: Little Rock, R & E Supply
 - March 4 & 5: Mountain Home, ASU Mountain Home
 - March 11 & 12: Jonesboro, Ed's Supply
 - March 18 & 19: Hot Springs, National Park College
 - March 25 & 26: Forrest City, East Arkansas Community College
 - April 7 & 8: El Dorado, South Arkansas College
 - April 15 & 16 : Springdale, Northwest Technical Institute
 - April 22 & 23: Texarkana, To Be Determined



Sign Up At : www.arhvacr.org/events

Or call 501-487-8655 & Leave a Message

Taking the Guess Out of Duct & Equipment Sizing