



**ROBIN MIZELL**  
ARKANSAS COMMUNITY  
AFFAIRS MANAGER,  
BLACK HILLS ENERGY

BLACK HILLS ENERGY SEES VALUE IN COLLABORATION WITH EEA

Being the Environmental Protection Agency and Department of Energy’s 2021 Energy Star Partner of the Year—Sustained Excellence Award winner for Arkansas leaves no doubt of Black Hills’ commitment to energy conservation. Those efforts can take many forms—from tips on purchasing new, efficient appliances to the best ways to weatherize your home. Arkansas Community Affairs Manager Robin Mizell said, “We also appreciate trainings and other collaboration with Energy Efficiency Arkansas to inform business and community leaders and residential customers how to conserve energy, keep expenses down, and take advantage of energy efficiency rebates and incentives. “Strong public-private partnerships are critical for thriving communities. It is important that we partner with the Arkansas Department of Energy & Environment and other state agencies and utility providers in Arkansas on environmental and energy efficiency trainings to highlight best practices and opportunities. When organizations with mutual goals can share information and resources that benefit families and support businesses, it positively impacts the whole state.”

UPCOMING EVENTS

DATE	EVENT	CITY
APRIL 28	Bentonville Community Center	Bentonville
MAY 4	Lafayette County Library	Lafayette
MAY 9	Johnson County Senior Activity Center	Clarksville
MAY 11	Craighead County Jonesboro Public Library	Jonesboro
MAY 23	Mary I. Wold Cleburne County Library	Heber Springs
JUNE 1	Dallas County Library	Fordyce
JUNE 2	Woodruff County Library	Augusta
JUNE 7	Madison County Senior Activity Center	Huntsville
JUNE 8	Marion County Senior Activity & Wellness	Flippin
JUNE 10	Lawrence County Library	Walnut Ridge
JUNE 15	Pine Bluff Public Library	Pine Bluff
JUNE 16	Alma Public Library	Alma
JUNE 23	Charleston Public Library	Charleston
JUNE 25	Hot Springs Village Home Improvement Expo ‘22	Hot Springs Village
JULY 12	Stone County Library	Mountain View
AUG. 10	White Hall Library	White Hall
AUG. 15	Boone County Senior Center	Harrison
AUG. 22	Crossett Public Library	Crossett
SEPT. 10	SouthArk Expo ‘22	El Dorado
SEPT. 13	Pike County Public Library	Murfreesboro
SEPT. 22	Malvern-Hot Spring County Library	Malvern
OCT. 3	Ashdown Community Library	Ashdown
OCT. 3	Foreman Public Library	Foreman
OCT. 11	Alma Senior Activity Center	Alma
NOV. 7	Elkins Senior Activity & Wellness Center	Elkins

RECENT EVENTS

DATE	EVENT	INSTRUCTOR	CITY
MARCH 29	Scott County Library	John Fetherston	Waldron
MARCH 29	Sebastian County Library	John Fetherston	Greenwood
MARCH 30	Randolph County Library	John Fetherston	Pocahontas
APRIL 2-3	40/29 & Arkansas CW Women’s Expo	John Fetherston	Springdale
APRIL 6	Boys & Girls Club of McGehee	John Fetherston	McGehee
APRIL 8-9	Cabot Home Improvement Expo ‘22	John Fetherston	Cabot
APRIL 13	Mary I. Wold Cleburne County Library	John Fetherston	Heber Springs
APRIL 21	Alzheimer Public Library	John Fetherston	Alzheimer
APRIL 22	Calhoun County Library	John Fetherston	Hampton
APRIL 23-24	HBA of Greater Little Rock 70th Annual Home Show	John Fetherston	Little Rock

UPCOMING TRAININGS

DATE	EVENT	CITY
MAY 2	Certified Energy Manager	Little Rock
MAY 19	IECC Impact on Building Envelope Systems	Webinar
MAY 24	IECC Impact on Mech & HVACR Systems	Webinar
MAY 26	IECC Impact on Special Systems	Webinar
DEC. 31	Building Science Principles online course and exam	Online

RECENT TRAININGS

DATE	EVENT	INSTRUCTOR	CITY
MARCH 29	Quality Installation (Residential Commissioning)—National Park	Jeremy Shuck	Hot Springs
MARCH 29	Benchmarking Standards and Benchmarking Laws	Clint D. Christenson	Webinar
APRIL 4	Quality Installation (Residential Commissioning)—NWACC	Kevin Wright	Bentonville
APRIL 5	Benchmark Focused Survey and Analysis	Clint D. Christenson	Webinar
APRIL 6	Quality Installation (Residential Commissioning)—NWTI	Eric Schein	Springdale
APRIL 7	Quality Installation (Residential Commissioning)—UAPTC	Robert Dixon	North Little Rock
APRIL 12	Fundamentals of Commercial HVAC Systems—ASU-Newport	Bruce McDaniel	Jonesboro
APRIL 12	Quality Installation (Residential Commissioning)—UA Hope/Texarkana	Leo Ratcliff	Hope
APRIL 12	Benchmarking for Evaluation, Monitoring, Reporting & Implementation	Clint D. Christenson	Webinar
APRIL 14	Introduction to Pump Systems Operations—ASU-Newport	Bruce McDaniel	Jonesboro
APRIL 20	IECC Impact on Electrical & Lighting Systems	Eric Oliver	Webinar
APRIL 26	IECC Impact on Boilers & Water Heaters	Eric Oliver	Webinar

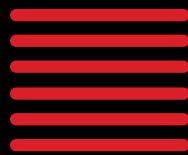
If you know of an individual, program, or organization that has received recognition in the energy efficiency field, please let us know so we can highlight their achievement.



FOR MORE INFORMATION, CONTACT:

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# Energy Efficiency Arkansas and Arkansas Association of Energy Engineers (AAEE) Present: Arkansas Energy Management Training Program

Building Operators, Maintenance Personnel, and Energy Managers  
5 Part Webinar Series Open for Registration

## Impact of 2021 IECC on Buildings & their Systems

Dates: April 19<sup>th</sup>, 26<sup>th</sup>, May 19<sup>th</sup>, 24<sup>th</sup>, 26<sup>th</sup> Time: 9am-11am

### Energy Waste Webinar Series

#### Fee

\$0 for AAEE Members  
\$15 for non-members  
EEA subsidized

#### Instructor

Eric Oliver, PE, CEM

#### Continuing Education

2 Prof Development Hours  
per Webinar

#### Time

9am-11am CT

#### Location

Zoom Webinar  
Links & Registration  
On [ArkansasAEE.org](http://ArkansasAEE.org)

For more information:  
501-604-5888, ext 3888

Presented by:  
Arkansas Chapter



The Association  
of Energy Engineers

## Webinar Series Details

April 19: 2021 IECC Impact on Electrical & Lighting Systems  
April 26: 2021 IECC Impact on Boilers & Water Heaters  
May 19: 2021 IECC Impact on Building Envelope Systems  
May 24: 2021 IECC Impact on Mech & HVACR Systems  
May 26: 2021 IECC Impact on Special Systems

## Registration Details

Please register at: <http://arkansasaee.org/>

For more information, email: [energy\\_education@ArkansasAEE.org](mailto:energy_education@ArkansasAEE.org)

## Details and Logistics

Each Webinar's content is independent of the other, and learning objectives will be identified for each. Invitations for registration will be sent for each Webinar by [Energy\\_Education@arkansasaee.org](mailto:Energy_Education@arkansasaee.org), including a link to the Zoom registration.

## Energy Efficiency Arkansas Sponsored

Energy Efficiency Arkansas (EEA) is a partnership between the Arkansas Department of Environmental Quality's Energy Office and Arkansas's investor-owned electric and gas utilities and electric cooperatives through a ratepayer-funded program approved by the AR Public Service Commission.



ARKANSAS  
ENERGY & ENVIRONMENT

ENERGY EFFICIENCY  
ARKANSAS



## Become a Certified Energy Manager

### The Certified Energy Manager (CEM) Credential Recognized Around the World

Since 1981 the Association of Energy Engineers (AEE) has been the leading credentialing body for “Energy Managers”. The CEM is the first recognized program under the [Better Buildings Workforce Guidelines](#) and is accredited by ANSI, the American National Standards Institute. The Better Buildings Workforce Guidelines were developed in collaboration between the U.S. Department of Energy (DOE) and the commercial energy performance industry to strengthen the growing energy efficiency market by certifying a highly skilled workforce.

### Discounted Rates available for 20 AR residents (must be AAEE Member)

**Course Registration:** [ArkansasAEE.org](http://ArkansasAEE.org)

**Course Instruction:** May 2-5, 2022, 8am-5pm (3.0 CEUs awarded)

**Certifying Exam:** May 6, 2022, 7:30am-1:00pm (Exam starts at 9am)

**Course Fee:** \$850\* First 20 Arkansas residents (must be AAEE member)  
\$2095 Non-resident, non-member ticket

**Course Instructor:** Clint D. Christenson, CEM, CEA

**Course Location:** Little Rock, AR  
Harrison Energy Partners Training Center

**You can find the U.S. CEM Handbook and Application as well as Study Guide and Practice Exams at the following link:**

<https://www.aeecenter.org/certifications/resources/cem-resources>

### What you should bring to class:

Notebook, pencils, highlighters and sticky tabs to mark book

Scientific calculator (TI30, 30x, 35 or 35x) - know how to use your calculator.

\*Course fee subsidized by **Energy Efficiency Arkansas**; Exam fee included in course registration fee. Separate exam application is required.

### Objectives of the CEM certification

- To raise the professional standards of those engaged in energy management
- To improve the practice of energy management by encouraging energy managers in a continuing program of professional development
- To award special recognition to those energy managers who have demonstrated a high level of competence and ethical fitness for energy management

Email: [Energy\\_Education@ArkansasAEE.org](mailto:Energy_Education@ArkansasAEE.org) for more information





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](http://bpi.org/certificate) or email [bsp@bpi.org](mailto:bsp@bpi.org).**

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](http://bpi.org/certification).



“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](http://bpi.org)  
[info@bpi.org](mailto:info@bpi.org)

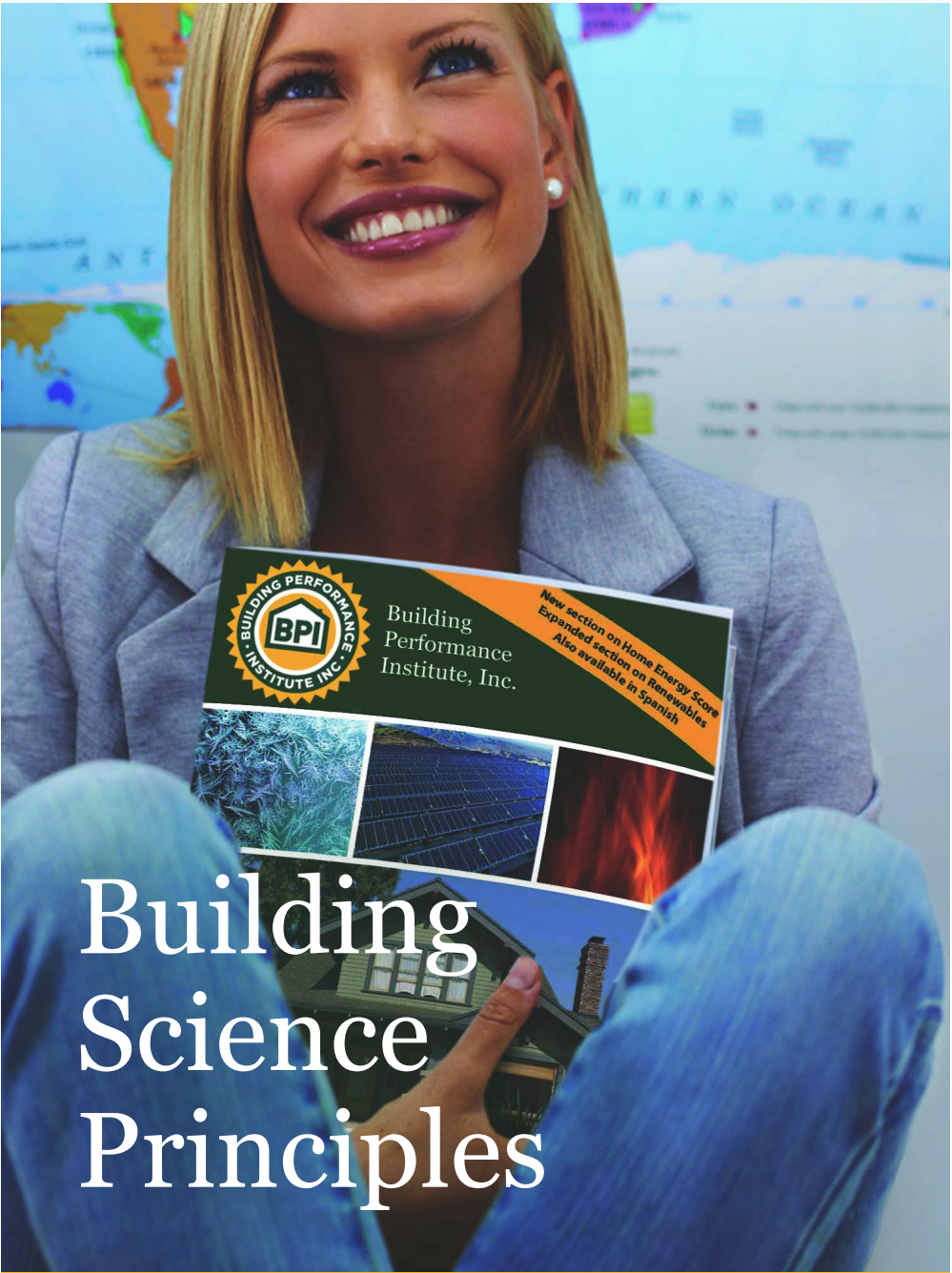
Building Performance Institute, Inc.  
107 Hermes Road, Suite 210  
Malta, NY 12020

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



The symbol of excellence for home performance contractors

CERTIFICATE OF KNOWLEDGE



# Building Science Principles

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

[bpi.org](http://bpi.org)





WHO SHOULD GET THE CERTIFICATE



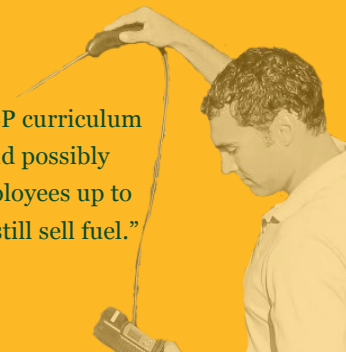
Who should get this certificate?

- 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

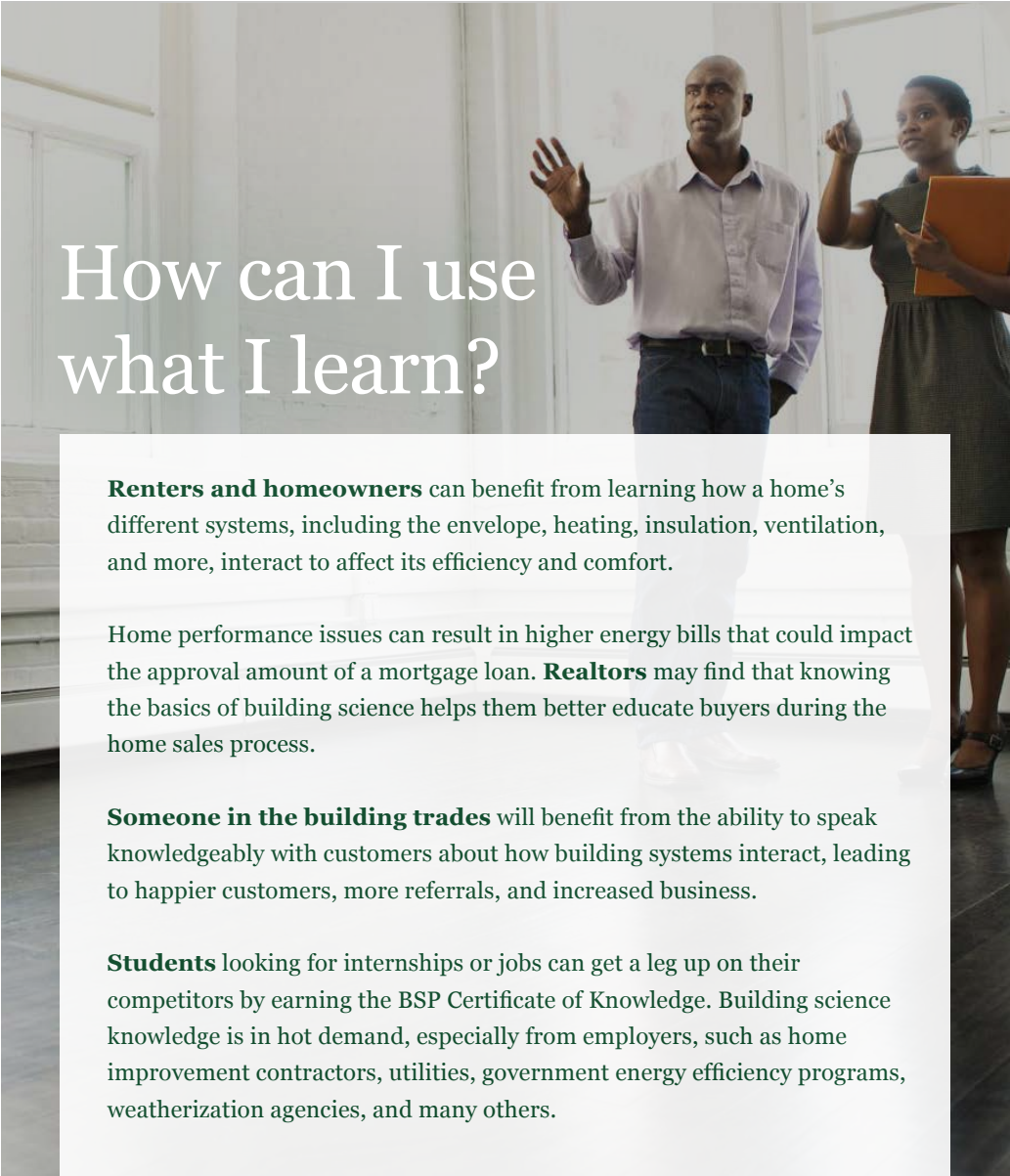
Case Study: Home Performance Contractor

**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.

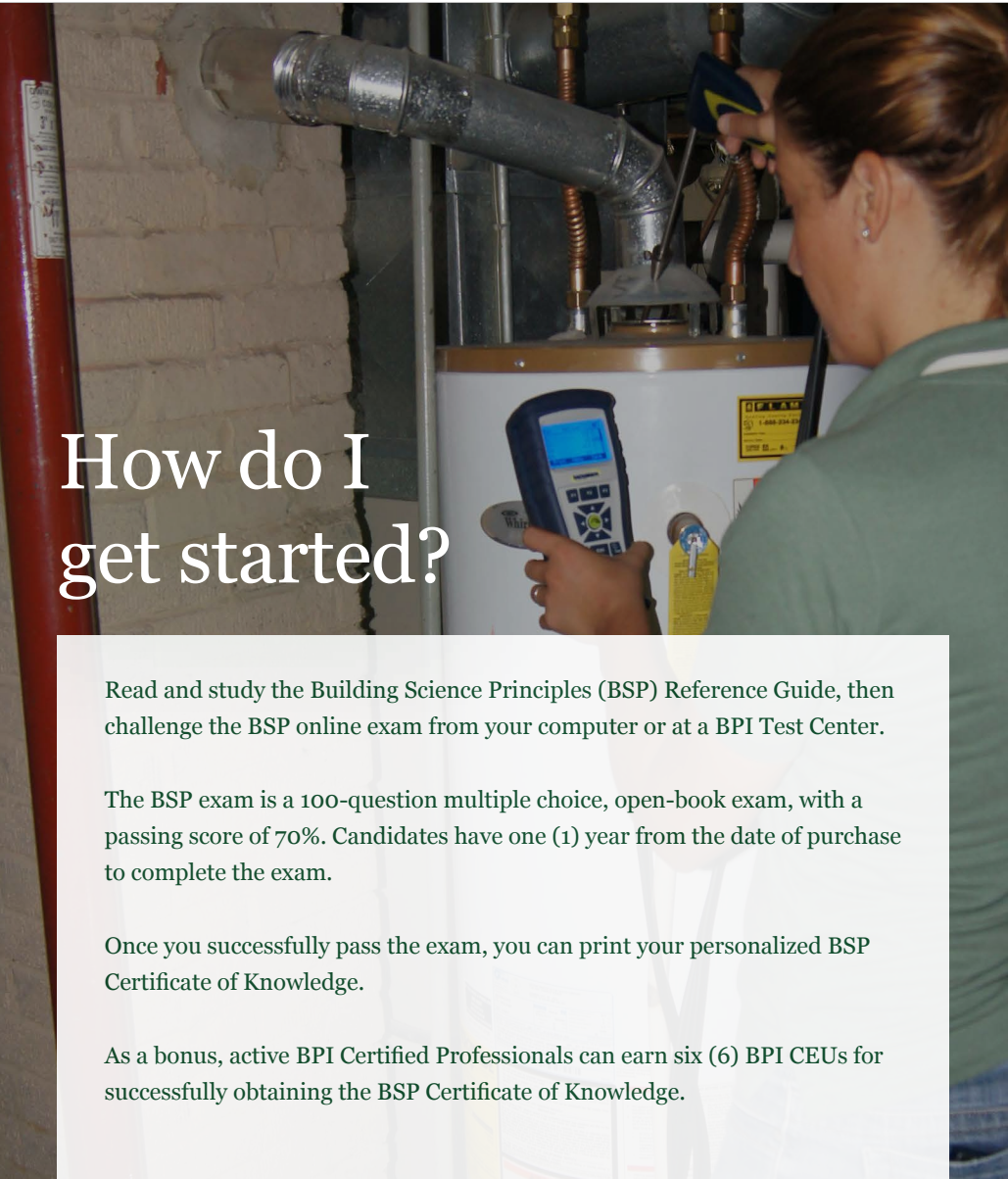
Case Study: High School Workforce Development

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.”

