



**ERIC FAUCETTE**  
TECHNICAL PROGRAMS  
COORDINATOR

## FAUCETTE JOINS AEO AS TECHNICAL PROGRAMS COORDINATOR

Eric Faucette only joined the Arkansas Energy Office (AEO) last month, but he is already focused on the office and its goals. **He—along with his direct supervisor—Manager of Strategic Energy Initiatives Chet Howland are anxious for him to jump right in on several of AEO’s programs that will benefit from Faucette’s professional experience and educational background, as well as the discipline he learned while serving in the U.S. Army.** Howland said, “Faucette will be working on many of our State Energy Program responsibilities and legislative mandates, such as the Arkansas Energy Code and State Energy-Efficient Buildings Program.” Faucette said he is particularly excited about leading the effort to update the Arkansas Energy Code, with revisions slated to go into effect this summer.

Faucette, who has a degree in Industrial Technology Management and Applied Engineering from the University of Arkansas at Pine Bluff, is currently enrolled in Arkansas State University’s Master of Engineering Management (MEM) program. His work experience includes the City of Pine Bluff’s Parks and Recreation Department, Keathley-Patterson Electric, and the Department of Corrections. Faucette is a member of SME (formerly known as the Society of Manufacturing Engineers), the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), the National Society of Black Engineers, and Phi Beta Sigma Fraternity, Inc. Away from the office, Faucette relaxes by playing electric guitar—blues is his favorite, but he said he also really enjoys listening to Michael Buble—and shooting photography, particularly the beautiful lakes in Hot Springs.

### UPCOMING EVENTS

DATE	EVENT	CITY
FEB. 3	Watson Chapel Public Library	Pine Bluff
FEB. 7	Yell County Senior Activity Center	Dardanelle
FEB. 8	Redfield Public Library	Redfield
FEB. 9	Ralf D. Graf Library of Mulberry	Mulberry
FEB. 10	White Hall Library	White Hall
FEB. 23	Lafayette County Library	Lewisville
FEB. 28	SE Arkansas Regional Library	Lake Village
MARCH 3	Clark County Library	Arkadelphia
MARCH 7	Grant County Library	Sheridan
MARCH 11-12	Benton Home Improvement Expo '22	Benton
MARCH 14	T.C. Vaughan Senior Center	Morrilton
MARCH 15	Crossett Public Library	Crossett
MARCH 18-19	Conway Home Improvement Expo '22	Conway
MARCH 25-26	Sherwood Home Improvement Expo '22	Sherwood
MARCH 26-28	2022 Arkansas Municipal League Hybrid Winter Conference	Little Rock
MARCH 29	Scott County Library	Waldron
MARCH 29	Sebastian County Library	Greenwood
MARCH 30	Randolph County Library	Pocahontas
APRIL 2-3	40/29 & Arkansas CW Women’s Expo	Springdale
APRIL 8-9	Cabot Home Improvement Expo '22	Cabot
APRIL 13	Mary I. Wold Cleburne County Library	Heber Springs
APRIL 22	Calhoun County Library	Hampton
APRIL 23-24	HBA of Greater Little Rock 70th Annual Home Show	Little Rock
APRIL 26	Malvern-Hot Spring County Library	Malvern
MAY 9	Johnson County Senior Activity Center	Clarksville
MAY 11	Craighead County Jonesboro Public Library	Jonesboro
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 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. 15	Boone County Senior Center	Harrison
SEPT. 13	Pike County Public Library	Murfreesboro
NOV. 7	Elkins Senior Activity & Wellness Center	Elkins

### RECENT EVENTS

DATE	EVENT	INSTRUCTOR	CITY
JAN. 4	Dumas Chamber of Commerce	John Fetherston	Dumas
JAN. 26	Pine Bluff Public Library	John Fetherston	Pine Bluff
JAN. 27	Alzheimer Public Library	John Fetherston	Alzheimer

### UPCOMING TRAININGS

DATE	EVENT	CITY
MARCH 9	Cost Savings with Variable Frequency Drives	Hot Springs

### RECENT TRAININGS

DATE	EVENT	INSTRUCTOR	CITY
DEC. 31	Building Science Principles online course and exam	Online	Online

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.



ENVIRONMENTAL  
QUALITY

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](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

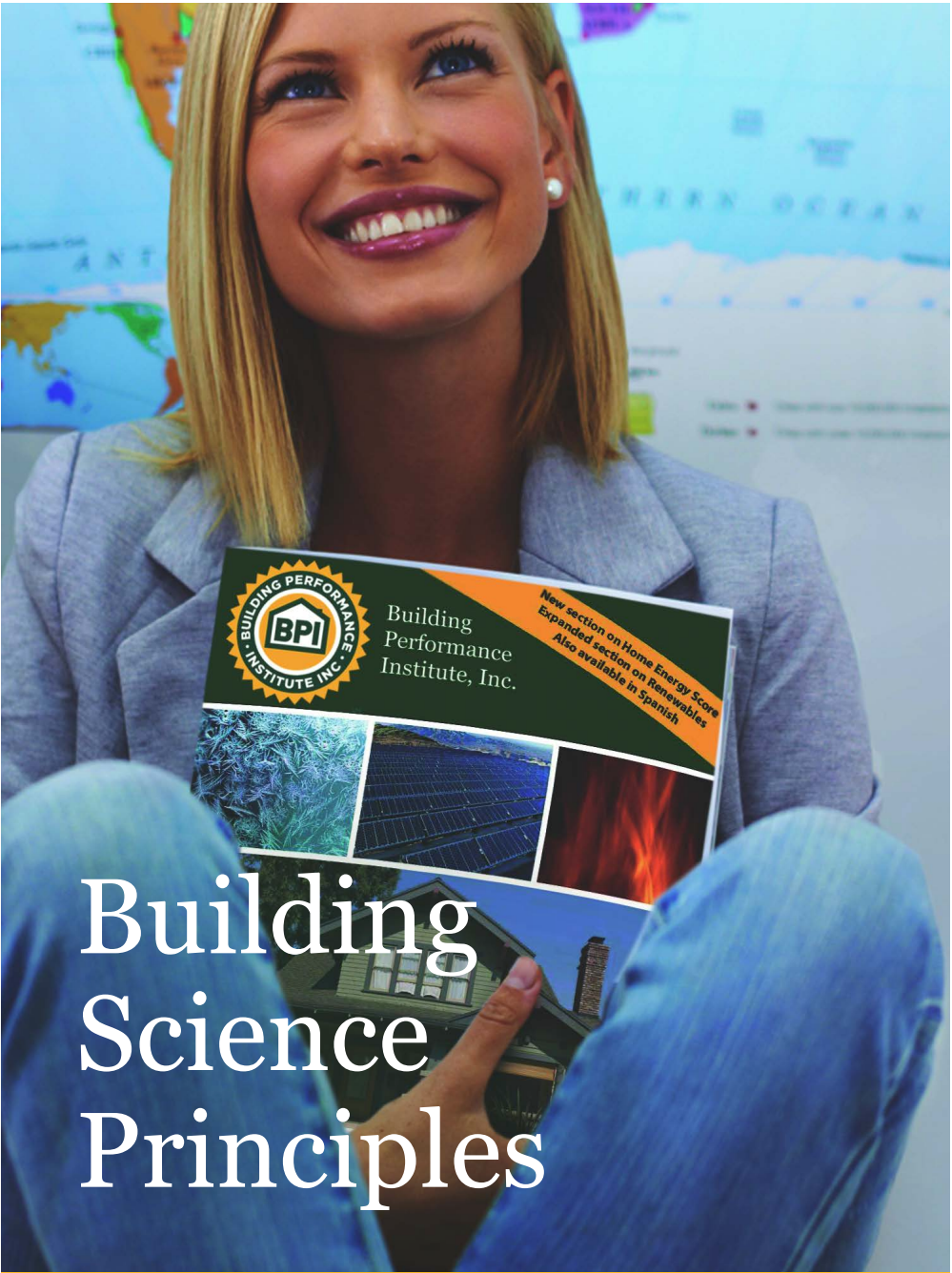
Phone: (518) 899-2727  
Toll-Free: (877) BPI-1BPI  
Fax: (518) 899-1622



The symbol of excellence for home performance contractors

SM

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)



SM

WHO SHOULD GET THE CERTIFICATE



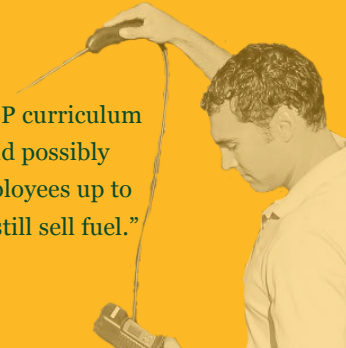
Who should get this certificate?

- 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

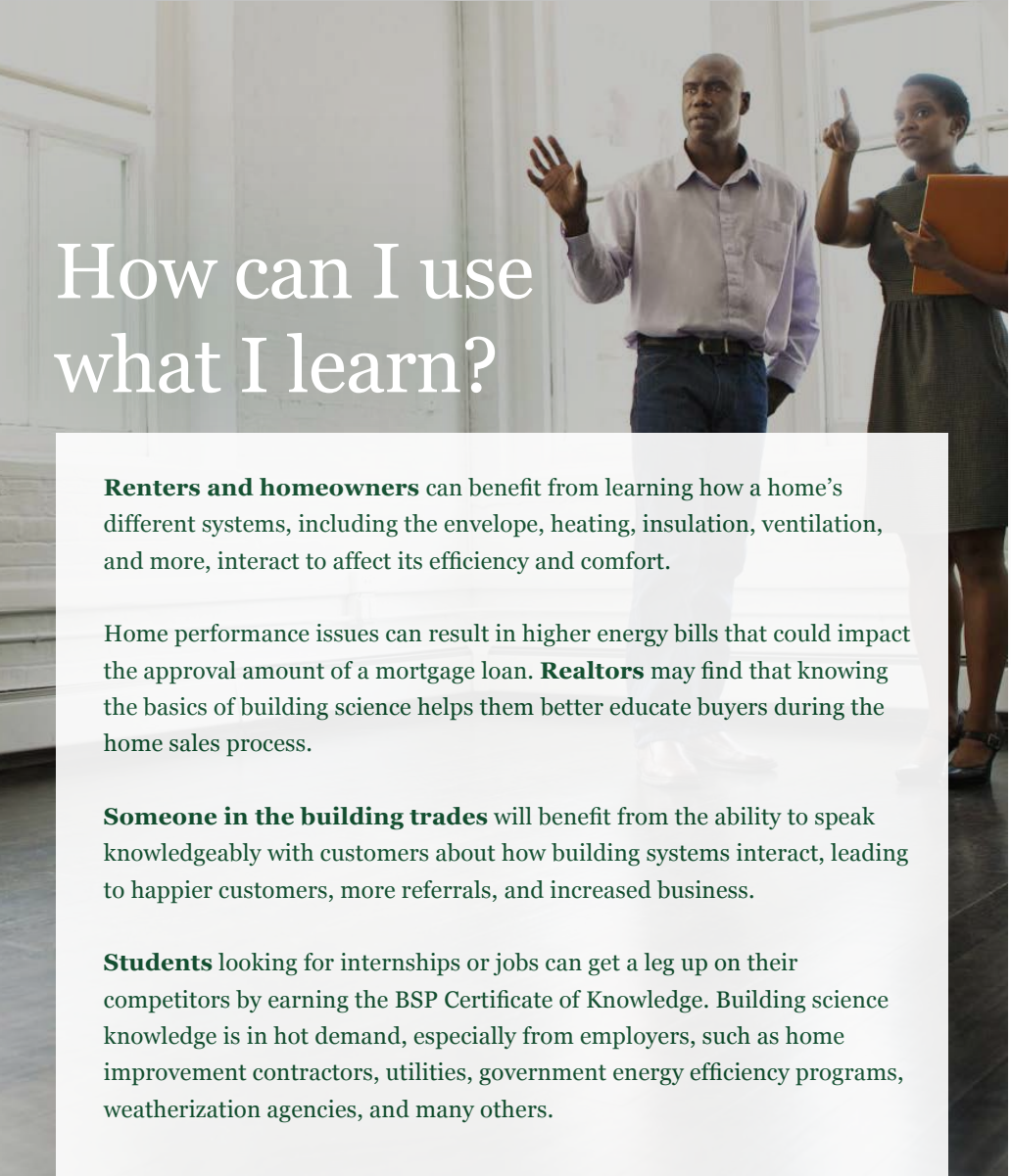
Case Study: Home Performance Contractor

**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.

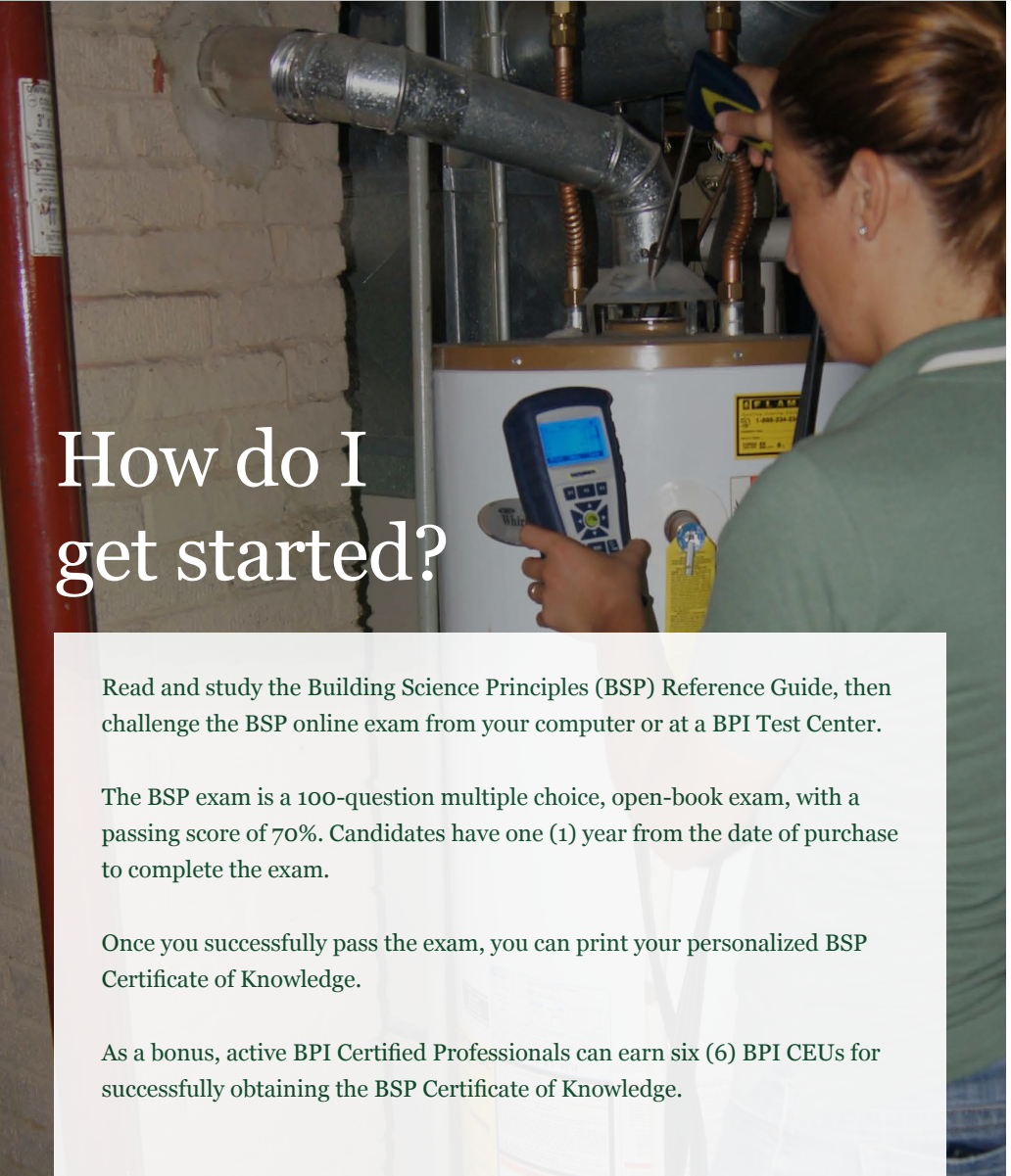
Case Study: High School Workforce Development

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.”





## Cost Savings with Variable Frequency Drives

### Does your operational team really understand VFD technology?

This half day introductory training discusses how VFDs can improve efficiency, safety and cost savings while providing a brief history of “The Grid” and explaining the voltages both of AC and DC generation.

#### Attendees will learn:

- How Variable Frequency Drives and other Technologies can be implemented to extend the life of Industrial Equipment and to reduce Demand Charges and penalties.
- How end users and maintenance staff impact the Utility infrastructure.
- About motor characteristics and motor controls for VFDs.
- About best practices to reduce mechanical wear and tear and how to offset oversizing.
- About a Powerflex 525 Variable Frequency Drive through **hands-on demonstration** using a connected components workbench and PLC software.

### Who Should Participate?

End users, maintenance, operations, plant managers, engineers, distributors, manufacturers, vendors, or consultants.

**\*Attendees earn credit for four (4) hours of attendance for this training\***

This class is underwritten and sponsored by Energy Efficiency Arkansas with training expertise and facilities provided by National Park College.



**ARKANSAS**  
INC

**MANUFACTURING SOLUTIONS**

*Accelerate. Transform. Win.*

### When/Where:

**Wednesday, March 9, 2022**

**8:00 a.m. – 12 p.m.**

**National Park College  
Building #26, Room 103  
Hot Springs, AR 71913**

**(Free parking is behind the  
gymnasium- Bldg. #7)**

**Cost: \$35**

**Registration for this training closes  
on Wednesday, March 2, 2022.**

**(Includes light breakfast)**

### **Register Online:**

**[www.MFGsolutions.org/  
training-calendar](http://www.MFGsolutions.org/training-calendar)**

**Instructor(s): Ken Walsh**

**AEDC-MS: The Source For  
Strengthening Arkansas  
Manufacturing Through:**

- **Growth & Innovation**
- **Operational Excellence**
- **Sustainability and**
- **Leadership  
Development**