

GREEN CAREERS ACADEMY

ENERGY EFFICIENCY AND CLEAN TECHNOLOGY CERTIFICATIONS & DEGREES TO BOOST YOUR BUSINESS

Certifications provide a standard that sets you apart so employers and customers know that you can demonstrate a specific set of knowledge and skills. Many pathways exist for training and certification, and it pays to plan your direction. Whether you are at an entry level or are an experienced contractor with your own company, training and certification can increase the quality and value of your work. Significant on the job learning is usually required to become proficient in the skills taught during a course. For those working in the energy efficiency field, the Building Performance Institute provides certificates and certifications to help you develop professional proficiencies and shape, or nurture, your career.



BPI BUILDING SCIENCE PRINCIPLES

Earning the Building Science Principles (BSP) Certificate of Knowledge is your first step into the world of energy efficient home performance. You will learn some of the widely-used industry terminology related to building science. Building science demonstrates how various components of a home interact to affect the home's overall performance. Understanding the relationships between the building envelope, heating, A/C, insulation, mechanical ventilation, lighting, appliances and other systems of the home will enable you to assist yourself and others. Learn how these systems affect the comfort, health and safety of occupants and durability of the home. Discover why improving the energy efficiency of the home should be the first step toward solar, geothermal, or other renewable energy improvements. Course price includes study materials and certificate exam.

DCB 2323 F/M/T 1/31 & 2/3-4 9am-4pm KSU \$235

Exam is on Tues from 9-10am at KSU

Refer to sunyulster.edu/ce • Additional dates available.

BPI BUILDING ANALYST PROFESSIONAL

Prepares students to perform "whole-house" energy assessments, identifying a building's problems at the root cause and prescribing and prioritizing solutions based on building science principles. Upon successful completion of the written and field exams, students receive Building Analyst Certification. Approved by New York State Bureau of Veterans Education for payment of VA Education Benefits. *Approved for 8.5 BPI CEUs.* Prerequisite: Basic building science background strongly recommended. Reference textbook: *Residential Energy* ISBN: 9781880120231

Instructor: N. Jen

DCB 1842 M-F 3/23-27 8am-5pm SRC, Kelder \$995

Class on Friday is from 9-11am and is held at KSU in Kingston.

BPI WRITTEN EXAMS

Written Exams are \$200 each when taken with a BPI class and \$400 each on all other dates. All written exams are by appointment and subject to a \$200 non-refundable fee. Exams are held at the Kingston Center. To register call 845-339-2025.

- DCB 1025 BPI Building Analyst Written exam
- DCB 1026 BPI Building Envelope Written exam
- DCB 1635 BPI Building Heating Professional Written exam
- DCB 1262 BPI Building A/C Heat Pump Written exam

BPI ENVELOPE PROFESSIONAL

Call 845-339-2025 for class date.

DCB 1843

BPI HEATING PROFESSIONAL

Call 845-339-2025 for class date.

DCB 1036

BPI A/C HEAT PUMP PROFESSIONAL

Call 845-339-2025 for class date.

DCB 1256



Scholarships and tuition reduction programs are available for all Green Careers Academy courses.

For more information contact

reerb@sunyulster.edu or call 845-339-2025.

BPI FIELD TEST PREP

SUNY Ulster offers a review field test prep class for those looking to gain a little extra time in using the equipment needed in the BPI Field Exams. Register online and you will be contacted regarding available test dates.

DCB 1183	BPI Building Analyst Field Test Prep	\$250
DCB 1890	BPI Envelope Professional Field Test Prep	\$250
DCB 1891	BPI Heating Professional Field Test Prep	\$250
DCB 1893	BPI A/C Heat Pump Field Test Prep	\$250

BPI FIELD EXAMS

All field exams are by appointment and subject to a \$200 non-refundable fee. Exams are held in Kelder located on the SRC. To register call 845-339-2025.

DCB 1143	BPI Building Analyst Field exam	\$400
DCB 1149	BPI Building Envelope Field exam	\$400
DCB 1150	BPI Building Heating Professional Field exam	\$400
DCB 1270	BPI Building A/C Heat Pump Field exam	\$400

BPI INFILTRATION & DUCT LEAKAGE (IDL)

Infiltration and Duct Leakage (IDL) certification is a simple, comprehensive, and affordable way for builders, remodelers, HVAC, insulation, and other contractors to gain the skills needed to offer duct leakage and blower door tests, in compliance with IECC codes for new home construction or existing home remodels.

By earning the IDL certification, you prove that you can conduct duct leakage tests to the ASTM E1554-07 standard and blower door tests to the ASTM E779 standard. Course price is for class instruction only. To register for the certification exam, register for DCB 8380.

DCB 7840 by appointment SRC, Kelder \$400

BPI INFILTRATION & DUCT LEAKAGE (IDL) REVIEW CLASS

A review class for those students already familiar with the terms and equipment needed for the BPI IDL Certification exam. Course price is for review of material only. To register for the certification exam, register for DCB 8380.

DCB 2327 by appointment SRC, Kelder \$200

BPI INFILTRATION & DUCT LEAKAGE (IDL) CERTIFICATION FIELD EXAM

DCB 8380 by appointment SRC, Kelder \$400

HEP ENERGY AUDITOR

Written exam	DCB 1268	by appointment	\$500
Field exam	DCB 1269	by appointment	\$600

HEP QUALITY CONTROL INSPECTOR

Written exam DCB 2326 by appointment \$600

SUNY Ulster's Kelder Test House is an approved field test site for both the BPI Energy Auditor and BPI Quality Control Inspector Certifications.

GREEN CAREERS ACADEMY

FOUNDATIONS SKILLS FOR GREEN CAREERS

INTRODUCTION TO MATHEMATICS FOR TECHNICAL CAREERS

An introductory course in mathematics designed to acquaint students with the concepts, terms, and formulas required by technical careers in manufacturing and green technology. The application of fractions, decimals, unit conversion including metric, and using algebraic formulas will be the initial focus, using industry-specific examples to develop students' mechanical problem solving skills. An introduction to geometry and trigonometry necessary for design, layout, and assembly will be studied.

DCB 2064 M/W 2/3-2/19 6-9pm KSU \$199
No class 2/17

ELECTRICAL THEORY I BASICS

Learn about basic electrical concepts such as current flow, series and parallel circuits, LED technology, and understand how it applies to your workplace and home. This course includes instruction on how to work safely around electricity. Students will participate in hands-on labs and experiments.

DCB 1947 T 3/24-4/21 6-9pm KSU \$199

PHOTOVOLTAICS (PV) SYSTEMS

RECOGNIZED BY NABCEP

Learn the basics of how to select and design an appropriate solar array for a property, and how to install it safely. Students will learn design techniques for both grid-tie and off-grid systems, and participate in hands-on projects. Safety procedures and electrical code are addressed for various types of arrays. Students completing the 45-hr section "PV Systems" may sit for the NABCEP Associate Exam. "Hands-on PV Electrical Work" expands the student's experience working with conductors, conduit, and electrical equipment. Prerequisite: Mathematics for Technical Careers (DCB 2064 or 2321) and Electrical Theory or permission of the instructor.

Required text: *Photovoltaic Systems*, ISBN: 9780826913081

Instructor: J. Novak

Photovoltaic Systems with Hands-On Lab

DCB 1795 M/W 4/27-6/10 5:30-9pm SRC \$626

No class 5/25

Hands-on PV Electrical Work

DCB 2325 S 5/30-6/6 9am-4:30pm SRC \$299



BECOMING A HOME INSPECTOR WEBINAR

Thinking about pursuing a career as a home inspector? Learn the basics and get all your questions answered by expert home inspection instructors in the Becoming a Home Inspector webinar offered in partnership with American Home Inspectors Training institute. This free, hour-long webinar covers licensing requirements, typical training topics and what the day-to-day looks like for an average home inspector. A Q&A session with the instructor ensures all your questions and concerns are addressed! Webinars take place twice a month.

Register at www.ahit.com/become-home-inspector/free-webinar.

PROFESSIONAL HOME INSPECTION CERTIFICATION (PRE-LICENSE)

Offered in partnership with American Home Inspector Training institute, the nation's leading home inspection certification school. This course is taught by successful home inspection entrepreneurs and includes valuable hands-on field training. The course also provides in-depth training on establishing and marketing a home inspection business. Also included: NHIE Licensing Exam Prep, Marketing & Operating a Profitable Home Inspection Business guide, A Practical Guide to Home Inspection reference guide, 12-Month InterNACHI Membership, and unlimited instructor support.

Classes begin on Jan. 27 & July 20, 2020. To register, call 262-565-5181.



M - MONDAY • T - TUESDAY • W - WEDNESDAY • R - THURSDAY • F - FRIDAY • S - SATURDAY • U - SUNDAY