BUILDING SCIENCE & CLEAN TECHNOLOGY

BPI BUILDING ANALYST PROFESSIONAL – INTRODUCTION TO HOME ENERGY AUDITING
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: 978-1880120231 Instructor: N. Jen
DCB 1842 M-F 11/11-15 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 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) CERTIFICATION FIELD EXAM
Subject to a $200 non-refundable fee. To register call 845-339-2025.
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 by appointment $600

MATHEMATICS FOR MANUFACTURING & TECHNICAL CAREERS
Course is geared towards those that need a math refresher before beginning the PV training or other technical training. Mathematical operations including fractions, exponents, basic algebra and trigonometry will be reviewed. Prerequisite: Basic Mathematics. Instructor: R. Eckmann
DCB 2064 W 9/18-10/30 6-8:30pm KSU $199
No class 10/9

ELECTRICAL THEORY I BASICS
Topics covered will include components of the atom, how electrons flow through conductors, conductivity, series and parallel circuits, voltage and current resistance, AC and DC voltage, and Ohm’s Law. Course includes a lab component.
DCB 1947 M 10/21-11/18 4:30-7:30pm KSU $199

PHOTOVOLTAICS (PV) SYSTEMS RECOGNIZED BY NABCEP
Course will be offered spring 2020.
DCB 1795

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

CAREER NEWS
A new career map, Careers in Climate Control Technology (https://hvaccareermap.org/), provides a first-of-its-kind interactive, visual tool to showcase the employment opportunities that exist in the swiftly growing HVAC/R industry – Heating, Ventilation, Air Conditioning and Refrigeration.

The challenge is that HVAC/R training programs at community colleges and other institutions struggle to get students interested in their programs. This new career map offers a powerful tool that can be used by educators, career advisors, students, military veterans, employers, policy makers, workforce professionals and others to see the wide variety of high-quality jobs that exist in the industry. It also illustrates how advancement is possible after just a few years of experience.

The map identifies five sectors within the industry – residential, commercial, sales and marketing, automated controls, design and engineering. It highlights 40 jobs and more than 150 advancements between those jobs and across sectors.