About these courses

CleanEdison’s BPI Building Analyst course covers basic principles of building science to assess energy efficiency in a home while monitoring conditions that affect human health and safety. BPI standards emphasize that all systems are interconnected from the HVAC equipment to the “envelope”—the foundation, walls, roof, doors, and windows. Learn to use diagnostic equipment to ensure systems are functioning together correctly. After completing BPI Building Analyst Certification, prepare for CleanEdison’s BPI Envelope Professional certification, a residential specialization that focuses on thermal and pressure boundaries and improving the envelope through insulation and air sealing.

Instructors

John Mitchell holds multiple BPI specializations and is a U.S. Army veteran specializing in demolitions and explosions. An EPA lead supervisor and contractor and New York State DOL asbestos supervisor, John has performed over 500 home performance audits and has over 10 years’ experience training individuals and corporations in building performance.

Norm Jen has over 22 years of general contracting experience in single and multi-family residential construction (150+ homes built). He has an engineering degree from the University of Pennsylvania and an MBA from Wharton School. He has extensive experience in corporate marketing presentations and has worked with the Jenesis Building Corporation, an accredited BPI company, in NYSERDA Home Performance with Energy Star Program projects. He has passed the HERS Rater exam and is becoming certified as a HERS Rater.

Howard Vics graduated from Northeastern University with a B.S. in Engineering with an emphasis in heat transfer and material science. He holds all BPI certifications and is a certified level II infrared thermographer with specialties in building science and weatherization. He is a program partner with the New York State Home Performance with Energy Star Program, and the Energy Star labeled new homes program.

Location

Parkland College
Business Training & Community Education (BTCE)
1315 N. Mattis Ave.
Champaign, IL 61821
BPI Building Analyst Certification
Position yourself to enter the emerging $60 billion green construction market by acquiring the skills to analyze structures for weatherization and efficiency improvements (energy audit). This five-day training course, presented in conjunction with CleanEdison, prepares you for the written test and field exams needed to become a Building Performance Institute (BPI) Certified Building Analyst. This curriculum is approved by the Building Performance Institute and is used to educate you on the following topics: principles of energy and building science; the energy audit process, building shell and thermal envelope, airflow basics, moisture management, air quality, combustion safety and CO2 monitoring, building systems, diagnosing common building problems, blower door testing, and combustion testing and safety.

Mon–Fri May 2–6 9am–5pm
CIT 710-001Z Deadline Apr 25
Fee: $1,595 (book included)
Location: BTCE

Registration
- Payment must be received by the registration deadline.
- Mail or deliver the completed registration form along with payment to Parkland College Business Training & Community Education (BTCE), 1315 N. Mattis Ave., Champaign, IL 61821.
- Fax the completed form to 217/351-5928.
- Call 217/351-2235.
- Online: www.parkland.edu/businesstraining

CIT 711-001Z Deadline May 2
Fee: $1,295
Course fees include certification exam.

VOLUNTARY INFORMATION
(for state reporting purposes only)
GENDER:
- Male
- Female

ETNIC/RACIAL DESCRIPTION:
- Nonresident Alien
- Race/Ethnicity Unknown
- Hispanics of any race
- For Non-Hispanics Only:
  - American Indian or Alaskan Native
  - Asian
  - Black or African-American
  - Native Hawaiian or Other Pacific Islander
  - White/Caucasian
  - Two or more races

HIGHEST DEGREE EARNED:
- GED
- High school diploma
- Certificate
- Associate's degree
- Bachelor's degree
- Master's degree
- First professional degree
- Doctoral degree
- Other
- None

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Email: businesstraining@parkland.edu

BPI Envelope-Shell Certification
Become qualified to take a home's performance after upgrades and energy-efficient retrofits have been completed to ensure it meets BPI standards. During the three days of intensive classroom and field training, John Mitchell of CleanEdison will review energy basics, controlling and preventing moisture damage, thermal boundaries and insulation, pressure boundaries, airflow, and ventilation, diagnostic equipment, forced air distribution systems, combustion safety, acquiring schematics, examining health issues, conducting CAZ, blower-door, duct blaster, and combustion testing and safety.

Prerequisite: BPI Building Analyst Certification.

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Technology for a Better World
Position yourself to enter the emerging $60 billion green construction market by acquiring the skills to analyze structures for weatherization and efficiency improvements (energy audit). This five-day training course, presented in conjunction with CleanEdison, prepares you for the written test and field exams needed to become a Building Performance Institute (BPI) Certified Building Analyst. This curriculum is approved by the Building Performance Institute and is used to educate you on the following topics: principles of energy and building science; the energy audit process, building shell and thermal envelope, airflow basics, moisture management, air quality, combustion safety and CO2 monitoring, building systems, diagnosing common building problems, blower door testing, and combustion testing and safety.

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