



Job Title	Building Science and Systems Educator
PVN ID	VA-2405-006273
Category	Instruction and Social Service
Location	OFFICE OF SR. UNIV DEAN FOR ACADEMIC AFFAIRS
Department	CUNY Building Performance Lab
Status	Full Time
Annual Salary	\$65,000.00 - \$80,000.00
Hour(s) a Week	35
Closing Date	Jul 13, 2024 (Or Until Filled)

General Description

Organizational Description:

CUNY Building Performance Lab (CUNY BPL) advances high-performance building operations and practices in existing commercial, public, and multi-family residential buildings. We focus on improving efficiency and optimizing building operations through training, coaching, energy data analytics (monthly and real-time meter data), building energy modeling (EnergyPlus and others), measurement and verification (IPMVP and ASHRAE protocols), HVAC systems, building controls, data acquisition (via BAS or field equipment), and operational improvements via Pacific Northwest National Lab's Building Re-tuning protocol.

The CUNY BPL Training Department provides continuing education programs for facility managers, building operators, and energy professionals, and it supports building operations research and development. Under this umbrella, the Training Department recently added workforce development training for newcomers to the building performance industries. CUNY BPL also runs an extensive internship program for CUNY students that provides real world experience and hands-on work in each of the organization's program areas.

CUNY BPL staff have expertise in a wide range of areas related to building systems, operations, and data, and the design process. CUNY BPL Training engages both private and public sector clients, including city, state, and federal agencies.

General Description:

CUNY BPL is hiring a Building Science Educator to support multiple projects for the CUNY BPL Training Department. This staff member will be central to CUNY BPL's training organization with direct involvement in training, client engagement, and curriculum development.

Other Duties

Duties:

The position may include all or a subset of the following activities, as required:

- Support Curriculum Development and Instructional Design as an in-house subject matter expert.
- Conduct training and/or coaching for a variety of trainees from the building performance industries.
- Support training partnerships and industry outreach initiatives.
- Prepare summary reports and reviews for training sessions.

Qualifications

Qualifications:

The ideal candidate will bring the following education, skills, and experience to this position:

Required

- Knowledge of building construction processes, including retrofit for energy and carbon emissions reduction.
- Solid understanding of HVAC system operations, including air systems, central heating and cooling plant, air and water distribution systems, sequences of operation, and controls.
- Experience providing technical instruction, especially for professional or trade certifications in the building performance industry.
- Bachelor's or Master's degree in engineering (e.g., mechanical, energy, electrical, facilities), architecture, construction, operations, or a related field, or equivalent study and experience.
- Strong written and verbal communication skills.

Preferred

- Professional certifications such as AEE: Certified Energy Manager (CEM), Certified Building Commissioning Professional (CBCP), or Existing Building Commissioning Professional (EBCP); or BPI: Energy Auditor, Quality Control Inspector, Energy Efficient Building Operator.
- At least three years of experience with building systems in a design, commissioning, or operational capacity.
- Familiarity with project management operations, including project planning, scope development, project tracking, and close-out.
- Experience working with building operators and energy professionals on HVAC-related energy efficiency projects.
- Working knowledge of Building Automation Systems (BAS).
- Experience developing technical training materials.
- Familiarity with New York City and New York State building energy codes.