

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, energy professionals, and it supports building operations research and development. The Training Department recently added workforce development training for newcomers to the building performance industries. And CUNY BPL 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 in both private sector 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 discussions, and curriculum development.

Duties:

Job activities include some or all of the following, 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:

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 reductions
- Knowledge of HVAC system operations, including air systems, central heating and cooling plant, air and water distribution systems, sequences of operations, and controls
- Experience providing technical instruction, especially for professional or trades Certifications in the building performance industries
- Bachelor's or Master's degree in engineering (mechanical, energy, electrical, facilities), architecture, construction, operations, related field, or equivalent study and experience
- Strong written and verbal communication skills

Preferred

- AEE: Certified Energy Manager (CEM); Certified Building Commissioning Professional (CBCP) or Existing Building Commissioning Professional (EBCP) credentials
- BPI: Energy Auditor; Quality Control Inspector, Energy Efficient Building Operator
- Three years' 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
- Experience developing training materials
- Familiarity with NY City and State energy codes