



Job Title	Senior HVAC Engineer/Instructor
PVN ID	VA-2307-005747
Category	Research
Location	OFFICE OF SR. UNIV DEAN FOR ACADEMIC AFFAIRS
Department	CUNY Building Performance Lab
Status	Full Time
Annual Salary	\$95,000.00 - \$110,000.00
Hour(s) a Week	35
Closing Date	Aug 31, 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. 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 in both private sector and public sector clients including city, state, and federal agencies.

General Description:

CUNY BPL is hiring a Senior HVAC Engineer/Instructor to support multiple projects for the CUNY BPL Training Department. This staff member will be central to CUNY BPL's training organization by being involved in direct training and coaching, assessing the performance of HVAC systems and controls, client discussions, and curriculum development.

Other Duties

Duties:

Job activities include some or all of the following, as required:

- Train and/or coach commercial and multi-family building operators and energy managers as well as building owners and property managers; courses may include Building Operator Certification (for commercial/institutional building operators), BuildingCoach and Building Re-tuning coaching classes, Building Operator Training (for MF), and Building Energy Compliance seminars (owners/property managers)
- Use Building Automation System (BAS) data to assess HVAC systems and their controls to recommend changes in operations and/or modest upgrades to improve performance
- Participate in site visit surveys and BAS assessments required for training and coaching activities
- Create new / modify existing curricula as needed; develop BPL training resources, e.g., case studies, playbooks, and energy saving calculation methodologies
- Support development of new and maintenance of existing training partnerships and industry outreach initiatives
- Prepare summary reports and reviews for training and coaching sessions
- Assume project management responsibilities

Qualifications

Qualifications:

Strong candidates will bring the following education, skills, and experience to this position:

- Technical training experience
- Knowledge of HVAC system operations, including air systems, central heating and cooling plant, air and water distribution systems, sequences of operations, and controls
- Working knowledge of Building Automation Systems
- Minimum three years of experience with existing building systems in a design, commissioning and/or operational capacity
- Experience working with building operators and energy professionals on HVAC related energy efficiency projects
- Experience developing training materials, including using Learning Management Systems for both synchronous and asynchronous course delivery
- Bachelor's or Master's degree in engineering (mechanical, energy, electrical, facilities), architecture, construction, operations, related field, or equivalent study and experience
- Familiarity with project management operations, including project planning, scope development, project tracking, and close-out
- Demonstrated ability to effectively manage multiple projects
- Strong written and verbal communication skills
- Certified Energy Manager (CEM); Certified Building Commissioning Professional (CBCP) or Existing Building Commissioning Professional (EBCP) credentials a plus
- Familiarity with NYC energy codes a plus
- Familiarity with the NYC real estate market and stakeholders a plus

