

Heating Professional

COURSE DESCRIPTION

Using a “whole-house” performance-based approach, this training will cover advanced heating system diagnostic, evaluation, and repair skills to help students prepare for the Building Performance Institute’s (BPI) Heating Professional online and field exams. Training will include review of some Building Analyst topics, but is not a Building Analyst preparatory course.

Prerequisites:

- Building Analyst Training or BPI Building Analyst Certification
- Heating/HVAC background is strongly recommended

Schedule:

The Heating Professional Course consists of 17.5 hours of classroom instruction, 3.5 hours of lab, and 14 hours of field training for a total of 35 instructional hours.

Training Topics:

- Combustion Safety Testing
- Combustion Efficiency
- Controls and Electrical Inspection
- Delivered Efficiency
- System Airflow
- Room Pressures
- Duct Leakage Testing
- Post-Installation Inspection
- Appliance Clean-and-Tune
- Mechanical System Durability
- Tools and Equipment

Classroom Training Topics:

- Health and Safety Issues
- Basics of Combustion
- Furnace Efficiencies
- Oil-Fired Space Heating Equipment
- Hydronic Heating Equipment
- Steam Boiler Systems
- Venting and Drafting
 - Problems, Solutions, Design/Sizing
- Combustion Safety Testing
- Pressure Diagnostics Problems, Solutions
- Duct Leakage
 - Duct System Diagnostics
 - Duct Repair and Sealing
- Carbon Monoxide
 - Standards, Causes, Solutions

NYSERDA's Workforce Development Program, offers energy efficiency and building science courses through training partners across New York State. This training is recognized by the Building Performance Institute (BPI) and prepares students for BPI certification exams.

The curriculum for the training courses was developed under contract and is the property of NYSERDA. This popular curriculum is available to other training entities through licensing agreements with NYSERDA. Schools, energy service providers, private industry, and public entities have used this curriculum, saving them time and money and giving them the ability to begin training programs immediately.

For more information, please contact Lori Clark at lac@nyserda.ny.gov or 518-862-1090 Ext. 3202.

- Diagnostic Hot Water Systems
- System Airflow Diagnostics, Problems, Solutions
- Standards for Sizing Residential Heating Equipment
- Standards for Sizing Residential Duct Systems
- Sizing Steam Heating Systems

