

Air Conditioning and Heat Pump ("Cooling") Professional

COURSE DESCRIPTION

This two-day course is designed for experienced heating contractors. The training, which consists of both classroom and field experience, will help participants prepare for the Building Performance Institute's (BPI) Air Conditioning and Heat Pump Professional online and field exams. This BPI designation was developed in collaboration with North American Technician Excellence (NATE).

Prerequisites:

- Building Analyst and Heating Professional Training or BPI Heating Professional Certification
- EPA Section 608 Certification (Type II or Universal)

Schedule:

The "Cooling" Professional Course consists of 12 hours of classroom instruction and 4 hours of field training for a total of 16 instructional hours.

Training Topics:

- Health and Safety Issues
- Tools, Equipment and Materials
- Refrigerant Cycles and Heat Pump Principles
- Comfort/Thermal Performance Issues: Cause and Effect
- Ducted Distribution System Design
- AC and Heat Pump Control Strategies
- Load and Sizing
- Controls and Electrical Inspection
- Ducted System Diagnostics
- Refrigerant Charge Diagnostics
- Duct Repair and Sealing
- Pressure Balancing
- Ventilation System Installation
- AC Clean-and-Tune
- Post-Installation Inspection

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.

