

Carbon Monoxide Safety & Combustion Training

Save Lives & Make More Money!

Prevention is the key to avoiding Carbon Monoxide hazards in the home. Each year thousands of people in the United States become ill or die from CO poisoning. Without full CO safety and combustion diagnostics, there is no way of knowing whether a system is safe or efficient.

Top 10 Reasons to Test for CO & Combustion Performance

1. Safety
2. Complaints of fumes and/or odors
3. Reports of illness, headaches and other illnesses
4. Checking for mechanical defects
5. Insuring proper light-off or ignition
6. Verifying complete combustion – total & multiple cycles
7. Insuring adequate combustion air
8. Verifying proper venting of flue gases
9. Checking for impingement
10. Checking for proper shutdown

NCI's exclusive Carbon Monoxide Safety & Combustion course will give you the technical knowledge you need to prevent CO hazards, improve system performance and increase profitability.

Not only will you be saving lives by becoming CO Certified, but you will be opening the door to new sales opportunities and greater income.



**Course Qualifies for
NATE, BPI & Most
State CEUs**



Benefits of NCI's Carbon Monoxide Safety & Combustion Training

- Get the knowledge you need to provide cutting-edge safety and combustion services to your customers on every installation and maintenance call
- Receive the NCI CO/Combustion Analyst Certification, the most recognized certification of its kind in the industry, when you successfully pass the certification exam on day three
- Increase sales opportunities for add-on services and equipment by using NCI's exclusive SafeMaxx™ diagnostic CO report
- Learn the steps necessary to implement cutting-edge methods into your everyday business for greater efficiency and profitability
- Benefit from over 30 years of combustion experience from the country's leading CO experts
- Leave with a full understanding of where carbon monoxide comes from and how to take the action steps necessary to prevent hazards in the home

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Who Should Attend?

- Service & Maintenance Technicians
- Owners and Managers
- Installers
- Service & Installation Managers



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Agenda

Day 1 - CO Safety Testing & Diagnostics

- History of carbon monoxide and proper testing procedures
- Source, concentration levels and symptoms of carbon monoxide poisoning
- Identify safety hazards and diagnose potential CO problems with proven procedures
- Vital flue testing procedures to effectively measure flue draft and combustion air functions
- Presenting customers with a complete safety analysis of the home
- Increase sales opportunities for add-on services and equipment

Day 2 - Combustion Performance & Diagnostics

- Benefits of NCI's Performance-Based approach versus standard service protocols when it comes to combustion testing
- Combustion field testing and proper efficiency tuning procedures
- Proper fuel and air adjustments and mechanical repairs
- Troubleshoot and solve CO/Combustion deficiencies in the home
- Use modern testing instruments like a combustion analyzer and draft gauge
- Interpret temperatures and flue gases to quickly diagnose a system
- Procedures and reports to complete a home safety analysis

Day 3 - CO/Combustion Review & Certification

- Review of Days 1 and 2
- Troubleshoot situations encountered in the field
- The use, maintenance and care of combustion analyzers
- Use a combustion analyzer on actual operating equipment and make the necessary adjustments
- Complete a written certification exam to confirm your knowledge of CO safety and combustion procedures.

Additional Training from National Comfort Institute:

- **Residential HVAC System Renovation & Retrofit**
- **Performance-Based Selling**
- **Residential & Light Commercial Air Balancing**
- **Residential & Light Commercial System Performance**

And much more!

Frequently Asked Questions

Q: What kind of certification do I earn?

NCI's CO/Combustion Analyst Certification is among the most recognized certifications in our industry. NCI has certified more than 18,000 industry professionals across North America and beyond. These certifications are valid for two years. Recertification is achieved with 8 hours of NCI continuing education.

Q: Do I need to bring any special tools to the class?

While all the tools needed for the training are provided in the class, you are welcome to bring your instruments and verify if they are still within calibration.

Q: What are the start and end times of the class and is lunch included?

The typical NCI training day is 8:00 am to 5:00 pm. Light refreshments and lunch are included.

Who is National Comfort Institute (NCI)?

National Comfort Institute (NCI), the HVAC industry's leader in Performance-Based Contracting™, is an international membership and training organization that provides heating, air conditioning, plumbing and electrical contractors with services and tools to help them improve their businesses.

NCI coined the phrase "Performance-Based Contracting™", a unique approach to managing a contracting business through accountability and measurable results. During the past two decades, NCI has trained and certified more than 18,000 HVAC industry professionals. For more information about NCI, please call 800-633-7058 or visit www.nationalcomfortinstitute.com.