

ASHRAE Learning Institute

2013 Fall Online Course Series

2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

Internet: www.ashrae.org/onlinecourses

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.

Complying with Standard 90.1-2010: HVAC/Mechanical
Mon, September 30, 2013 – 1:00 pm to 4:00 pm EDT

Energy Management in New & Existing Buildings
Wed, October 2, 2013 – 1:00 pm to 4:00 pm EDT

High-Performance Building Design: Applications & Future Trends
Wed, October 9, 2013 – 1:00 pm to 4:00 pm EDT

Commissioning for High-Performance Buildings
Wed, October 16, 2013 – 1:00 pm to 4:00 pm EDT

Fundamentals Requirements of Standard 62.1-2010
Mon, October 21, 2013 – 1:00 pm to 4:00 pm EDT

Air-to-Air Energy Recovery Fundamentals
Wed, October 23, 2013 – 1:00 pm to 4:00 pm EDT

Data Center Energy Efficiency
Mon, October 28, 2013 – 1:00 pm to 4:00 pm EDT

Air-to-Air Energy Recovery Applications: Best Practices
Wed, October 30, 2013 – 1:00 pm to 4:00 pm EDT

IAQ Best Practices for Design, Construction & Commissioning
Wed, November 13, 2013 – 1:00 pm to 4:00 pm EST

The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/PDH credits.

Energy Modeling Best Practices & Applications
Part 1 - Mon, September 16, 2013 – 1:00 pm to 4:00 pm EDT
Part 2 - Mon, September 23, 2013 – 1:00 pm to 4:00 pm EDT



Commercial Building Energy Audits
Part 1 - Mon, November 4, 2013 – 1:00 pm to 4:00 pm EST
Part 2 - Wed, November 6, 2013 – 1:00 pm to 4:00 pm EST

HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Oct 28 – Nov 1, 2013

HVAC Design: Level I - Essentials

ASHRAE's *HVAC Design: Level I - Essentials* provides intensive, practical training for HVAC designers and others involved in delivery of HVAC services. Gain practical skills and knowledge in designing, installing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II - Applications

ASHRAE's *HVAC Design: Level II – Applications* provides advanced instruction on HVAC system design for experienced HVAC designers and those who complete the *HVAC Design: Level I – Essentials* training. In two days, gain an in-depth look into *Standards 55, 62.1, 90.1, and 189.1* and the *Advanced Energy Design Guides*. Training will focus on a range of topics including: HVAC equipment and systems; energy modeling; designing mechanical spaces; designing a chiller plant; and BAS controls.

Visit www.ashrae.org/hvacdesign to register

ASHRAE Certification Programs

ASHRAE has developed a 30-question Online Practice Exam for the Commissioning Process Management Professional (CPMP) certification. This Online Practice exam, available for \$39.00, is written to the same specifications as the actual exam and:

- familiarizes applicants with computer-based testing.
- offers a sense of how to time yourself during the actual exam.
- is taken in the privacy of your home, office, or on the road.
- has no application process and can be taken any time during the 30 days after purchase.
- provides a score report and feedback report to indicate weak areas.

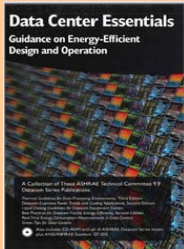
Online Practice Exams are planned for all six ASHRAE certifications.

To access the CPMP practice exam, go to www.ashrae.org/CPMP.

Hot Products from ASHRAE

A leader in HVAC&R technology, ASHRAE publications cover topics that impact every facet of the environment, both indoors and out.

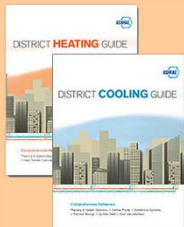
Now in One Place: Vital Data Center Guidance



Data Center Essentials: Guidance on Energy-Efficient Design and Operation assembles into one publication all the information needed to design, operate, and maintain energy-efficient data centers. This essential volume presents fundamental guidance from ASHRAE Technical Committee (TC) 9.9, the industry-recognized source for mission critical facilities.

\$289 (\$189 ASHRAE Member) / 1,060 pages / 2013

Comprehensive Coverage of All Aspects of District System Design



The *District Heating Guide* and *District Cooling Guide*, now bundled for one low price, fulfill a worldwide need for modern and complete design guidance for district systems. Expanded from the District Heating and Cooling chapter in the *2012 ASHRAE Handbook*, these guides provide in-depth coverage, additional topics, and case studies. The *District Heating and Cooling Guides* draw on the expertise of an extremely diverse international team with current involvement in the industry and hundreds of years of combined experience.

\$179 (\$152 ASHRAE Member) / Softcover Bundle / 2013

Visit www.ashrae.org/bookstore to learn more about these and other outstanding ASHRAE publications!