Design and maintain HVAC systems by incorporating the application of ASHRAE Standards 55, 62.1, and 90.1 to improve buildings and systems.

Expand your knowledge and understanding of fundamentals and technical aspects of HVAC Design. The HVAC design and operation training courses will prepare you to become a more effective, highly skilled engineering team member by:

- Gaining knowledge to make immediate contributions to design projects
- Participating in in-depth, practice-focused training
- Learning from industry leaders selected by ASHRAE
- Receiving free bonus reference resources valued at over $100
- Earning continuing education credits

“The ASHRAE HVAC Design Training provided me with the information needed in order to carry out my responsibilities more effectively. The training aided in the design of high-performance HVAC systems that are optimized for occupant comfort and safety. I am eager to share what I have learned with my coworkers and to implement the newly attained knowledge into my own HVAC design.”

Aaron R. – Hancock, MI

“I think this is a great course in terms of course contents and instructors. I am not a design engineer, and I work on energy-savings projects. I have to know the HVAC design and control system in detail to perform any saving calculations for energy-saving measures. This course provided a good review of the HVAC system, load calculations, and also where to find additional information if required. I highly recommend this course for everyone who has some experience in HVAC systems and designs.”

Bhanu K. – Manchester, CT

Training Leaders

Donald Brandi, CEM, Member ASHRAE, BEAP
Donald Brandi has over 33 years of his HVAC industry career. He held the positions of sales engineer, sales manager, training manager and controls project manager. Donald has been active in ASHRAE serving on the Chapter, Regional, and Society Levels, including ERC for Region K from 2002-2005, Standard Committee from 2005-2009, and Nominating Committee from 2010-2016.

Julia Keen, Ph.D., P.E., Fellow ASHRAE, HBDP, BEAP
Julia Keen is a professor of Architectural Engineering and Construction Science at Kansas State University with a specialty in HVAC energy codes, and integrated building design. She has a doctorate in Curriculum and Instruction from Kansas State University where she also received a Bachelor and Master’s degrees in Architectural Engineering. She also owns her own consulting engineering company Keen Designs. Ph.D. Keen is a licensed professional engineer and an ASHRAE-certified High Performance Building Design Professional (HBDP) and Energy Assessment Professional (BEAP). She currently serves as ASHRAE Vice President and Vice-Chair of Publications and Education Council.

Joi Primeau, Eng., Member ASHRAE, HBDP, LEED® AP
Joi Primeau leads and assists teams of designers and technicians in the design and construction of high-performance, sustainable facilities. His experience spans a wide range of engineering design and construction projects. His expertise is in the design of high-efficiency HVAC systems that enhance indoor air quality and comfort. He is a licensed professional engineer, ASHRAE-certified High Performance Building Design Professional (HBDP), and a LEED® Accredited Professional.

Dennis Wessel, P.E., Fellow/Life Member ASHRAE, LEED® AP
Dennis Wessel, P.E., Fellow ASHRAE, retired as a senior vice president and director of marketing with Marples Engineering and has more than 45 years of consulting engineering experience. Dennis was an ASHRAE Director-at-Large (2012-2015) and past Chair of the Planning Committee, Conferences and Exhibitions Committee, and Handbook Committee. He was also past chair of both TC 9.1, Large Building HVAC Systems, and TC 9.1.2, Tall Buildings.

ASHRAE Learning Institute
1791 Tulie Circle NE
Atlanta, GA 30329

ashrae.org/hvactraining
ASHRAE HVAC Design: Level I—Applications training provides practical, hands-on instruction in HVAC system design. The course is tailored for engineers with advanced experience in the HVAC design field or those who completed HVAC Design: Level I—Essentials. Developed by industry-leading professionals, the training provides advanced information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC system design procedures. Attendees will improve their understanding of system options to maximize energy and improve indoor air quality.

How You Will Benefit

• Refresh their skills
• Expand their exposure to the latest HVAC system design procedures
• Acquire insights into the design process and common misconceptions
• Gain an advanced understanding of HVAC system options

How Your Firm Will Benefit

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TRAINING DATES AND LOCATIONS

Day 1

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