ASHRAE eLearning Course Catalog
Self-Paced, Web-based, On-Demand Training

EDUCATION PARTNER

See page 6 for GROUP DISCOUNTS

Digital Learning for Your Team
Affordable, Convenient, Effective!

95+ Courses on a wide range of HVAC&R topics | 12-month subscription

ASHRAE eLearning offers:

- A professional development program that ensures you and your employees receive top-notch training and stay current with essential HVAC&R subjects.

- A convenient way of earning Professional Development Hours (PDHs) for certification and license renewals.

- Training at your fingertips, available 24/7 without the need for special software.

- Access to a certificate of completion, transcript, and performance reports for your employees.

Scan the QR code to check out full catalog

Course Packages

Building Performance – (I-P)

PDHs: 10.0
Price: $122 | ASHRAE Member: $94

The following courses are included:

- Commissioning
- Integrated Design
- School of Hard Knocks: Controlling Moisture and Humidity in Buildings

System Design – (I-P)

PDHs: 5.0
Price: $125 | ASHRAE Member: $95

The following courses are included:

- Introduction to HVAC Design
- The Design Process
- HVAC System Selection Issues

Sustainability – (I-P)

PDHs: 32.5
Price: $383 | ASHRAE Member: $289

The following courses are included:

- Basics of Sustainable Design
- Energy Conservation
- LEED Guidance
- Indoor Environmental Quality
- Ventilation and IAQ
- AEDG Small Office Building Lighting
- AEDG Small Retail Buildings Design Strategies & Recommendations
- Achieving Zero-Energy Building Design

Loads and Modeling – (I-P)

PDHs: 3.5
Price: $85 | ASHRAE Member: $63

The following courses are included:

- Building Information Modeling
- Load Calculations

NEW! Fundamentals: HVAC Systems – (I-P)

PDHs: 20.0
Price: $441 | ASHRAE Member: $331

The following courses are included:

- Introduction to HVAC Design
- Introduction to HVAC Systems
- Indoor Environmental Conditions for Human Comfort
- Load Calculations
- Essentials of Controls
- Central Plants
- Humidity Control Design: Fundamentals, Loads and Equipment
- Ventilation and IAQ
- Psychrometrics
- Ethics for the Built Environment Professional Engineer

NEW! Fundamentals: HVAC Systems – (SI)

PDHs: 21.0
Price: $441 | ASHRAE Member: $331

The following courses are included:

- Introduction to HVAC Design
- Introduction to HVAC Systems
- Indoor Environmental Conditions for Human Comfort
- Load Calculations
- Essentials of Controls
- Central Plants
- Humidity Control Design: Fundamentals, Loads and Equipment
- Ventilation and IAQ
- Psychrometrics
- Ethics for the Built Environment Professional Engineer

Components and Equipment – (I-P)

PDHs: 11.5
Price: $243 | ASHRAE Member: $185

The following courses are included:

- Air-Conditioning System Components: Heat Transfer Equipment
- Air-Conditioning System Components: Pumps, Valves, Piping and Ductwork
- Building Control
- Introduction to Zones
- Single Zone Air Handlers and Unitary Equipment
- Multiple Zone Air Systems

System Essentials – (I-P)

PDHs: 9.5
Price: $164 | ASHRAE Member: $126

The following courses are included:

- Central Plants
- Air-and-Water Systems
- Controls
- Energy Conservation

Air Systems – (I-P)

PDHs: 2.5
Price: $122 | ASHRAE Member: $94

The following courses are included:

- Introduction to All-Air Systems
- Dual-Duct and Multizone All-Air Systems
- Simple Rooftop All-Air Systems

Hydronic Systems – (I-P)

PDHs: 11
Price: $162 | ASHRAE Member: $124

The following courses are included:

- All-Water Systems
- Hydronic Systems
- Hydronic Systems Architecture
- Controls

Special Systems – (I-P)

PDHs: 7.0
Price: $81 | ASHRAE Member: $62

The following courses are included:

- Special HVAC Systems
- Special Applications

DDC Controls – (I-P)

PDHs: 5.5
Price: $132 | ASHRAE Member: $100

The following courses are included:

- DDC Networks and Protocols
- DDC Specification, Installation and Commissioning
- DDC Introduction to Hardware and Software

DDC Controls – (SI)

PDHs: 9.0
Price: $132 | ASHRAE Member: $100

The following courses are included:

- DDC Introduction to Hardware and Software
- DDC Specification, Installation and Commissioning

HVAC Control Systems – (I-P)

PDHs: 33.5
Price: $365 | ASHRAE Member: $278

The following courses are included:

- Essentials of Controls
- Basics of Electricity
- Control Valves and Dampers
- Sensors and Auxiliary Devices
- Self-and System-Powered Controls
- Electric Controls
- Pneumatic Controls
- Control Diagrams and Sequences
- DDC Networks and Protocol

HVAC Control Systems – (SI)

PDHs: 23.5
Price: $203 | ASHRAE Member: $155

The following courses are included:

- Basics of Electricity
- Control Valves and Dampers
- Control Diagrams and Sequences
- DDC Introduction to Hardware and Software
- DDC Specification, Installation and Commissioning

Data Center Design

PDHs: 5.5
Price: $162 | ASHRAE Member: $124

The following courses are included:

- Computer Cooling Equipment
- Airflow, Equipment Placement and Heat Release
- Liquid Cooling and Facility Cooling Systems
- Building Facility and Chilled-Water Systems

AC and Refrigeration Principles – (I-P)

PDHs: 4.5
Price: $133 | ASHRAE Member: $100

The following courses are included:

- Psychrometrics
- Refrigeration System Parameters and Performance
- Compressors

Refrigerants – (SI)

PDHs: 11.0
Price: $177 | Member Price: $0

The following courses are included:

- Introduction to Refrigerants
- Refrigerant Selection
- Refrigerant Management
- Refrigerants Handling for Technicians - Best Practices

Standard 62.1: Ventilation for Acceptable Indoor Air Quality

PDHs: 10.1
Price: $203 | ASHRAE Member: $155

The following courses are included:

- Standard 62.1-2007: Natural Ventilation and Exhaust
- Standard 62.1-2013: Natural Ventilation Procedure
- Standard 62.1-2010: Ventilation Rate Procedure
- Standard 62.1-2007: Recirculating and Treating Indoor Air
- Standard 62.1-2007: Moisture and Mold Control

Standard 90.1: Energy Standard for Buildings – (I-P)

PDHs: 9.8
Price: $162 | ASHRAE Member: $124

The following courses are included:

- Standard 90.1-2004: Lighting – General and Mandatory Provisions
- Standard 90.1-2004: Energy Cost Budget Method
- Using Standard 90.1-2010 to Meet LEED Requirements
- Architects: Overview of Mechanical Systems

Standard 189.1-2011 – High Performing Green Buildings (Dual)

PDHs: 7.5
Price: $122 | ASHRAE Member: $94

The following courses are included:

- Standard 189.1-2011: Water, Sites, and Materials
- Standard 189.1-2011 for High-Performance Green Buildings: Energy Efficiency
- Standard 189.1-2011 for High-Performance Green Buildings: Indoor Environmental Quality

Electrical System Design – (I-P)

PDHs: 6.5
Price: $203 | ASHRAE Member: $155

The following courses are included:

- Power Distribution Applications
- Design for Building Electrical Systems
- Building Electrical Power Components
- The Electric Utility
- Direct Current Electrical Systems

> *"ASHRAE eLearning is a well put-together program. What makes the program unique is the immediate feedback system, which allows you to go back through the exercises and exams to help ensure your understanding of the topics covered. Most programs out there only provide you with a passing percentage once the course is over, not explaining what concepts you really understood."*
>
> *—Huan Nguyen, Design Application Engineer, Climatec BTG*

Libraries

Libraries are collections of a variety of courses in a related topical area at a lower cost per course.

Advanced Technologies – (I-P)
PDHs: 38.0
Price: $436 | ASHRAE Member: $331

The following packages are included:

- Sustainability
- Data Center Design

Control Systems – (I-P)
PDHs: 43.5
Price: $392 | ASHRAE Member: $298

The following packages are included:

- HVAC Control Systems
- DDC Controls

Control Systems – (SI)
PDHs: 32.5
Price: $227 | ASHRAE Member: $173

The following packages are included:

- HVAC Control Systems
- DDC Controls

Fundamentals
PDHs: 47.0
Price: $745 | ASHRAE Member: $562
The following packages are included:

- Fundamentals: HVAC Systems
- Components and Equipment
- AC and Refrigeration Principles
- Refrigerants

HVAC Design and Operation – (I-P)
PDHs: 18.5
Price: $266 | ASHRAE Member: $201

The following packages are included:

- Building Performance
- System Design
- Loads and Modeling

HVAC Systems – (I-P)
PDHs: 36.0
Price: $585 | ASHRAE Member: $447

The following packages are included:

- System Essentials
- Air Systems
- Hydronic Systems
- Special Systems
- Electrical System Design
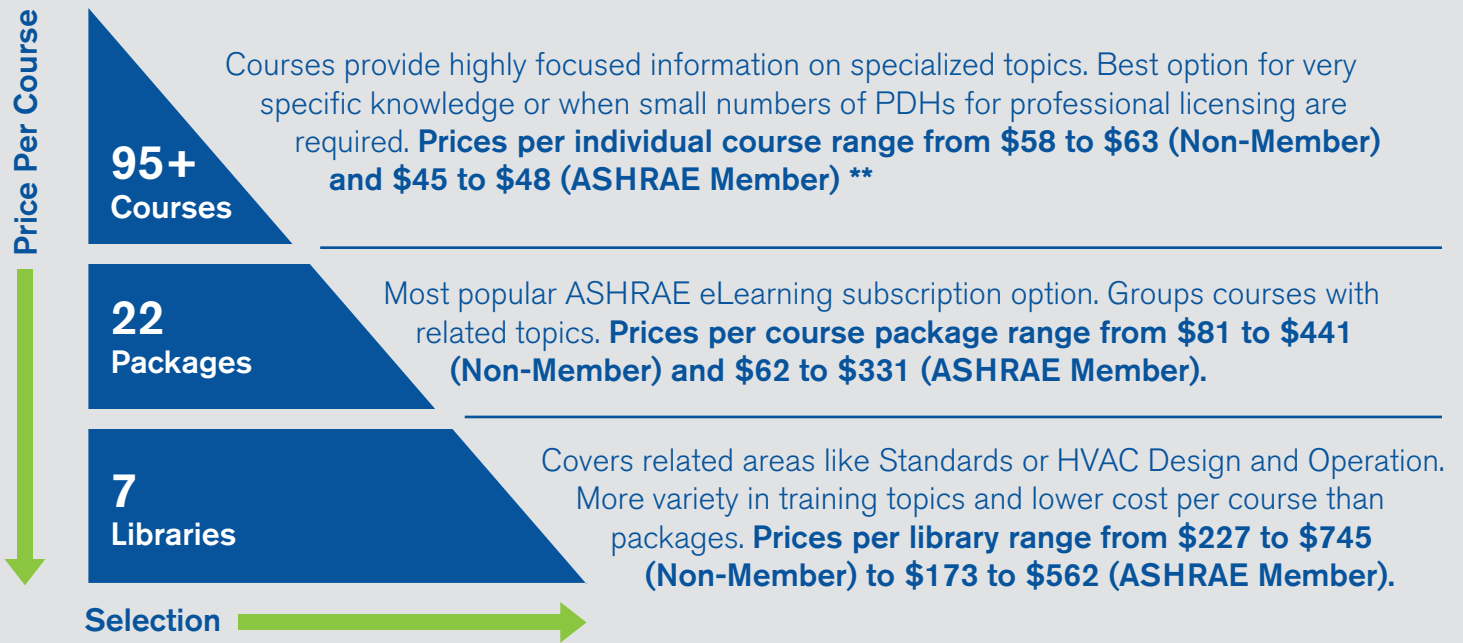
Standards
PDHs: 27.4
Price: $389 | ASHRAE Member: $298

The following packages are included:

- Standard 62.1: Ventilation for Acceptable Indoor Air Quality
- Standard 90.1: Energy Standard for Buildings
- Standard 189.1-2011 - High Performing Green Buildings

I-P - Inch Pounds   SI - Metric Units   Dual - Both I-P and SI Units

Price Per Course ↓

95+ Courses
Courses provide highly focused information on specialized topics. Best option for very specific knowledge or when small numbers of PDHs for professional licensing are required. **Prices per individual course range from $58 to $63 (Non-Member) and $45 to $48 (ASHRAE Member) ***

22 Packages
Most popular ASHRAE eLearning subscription option. Groups courses with related topics. **Prices per course package range from $81 to $441 (Non-Member) and $62 to $331 (ASHRAE Member).**

7 Libraries
Covers related areas like Standards or HVAC Design and Operation. More variety in training topics and lower cost per course than packages. **Prices per library range from $227 to $745 (Non-Member) to $173 to $562 (ASHRAE Member).**
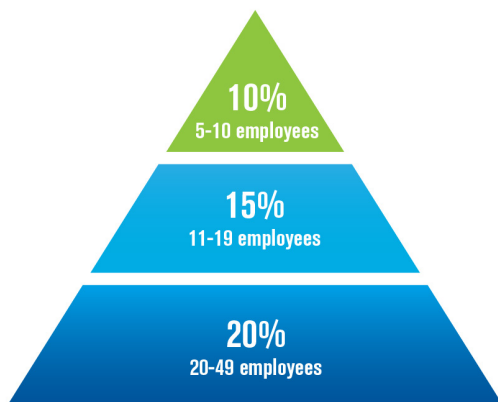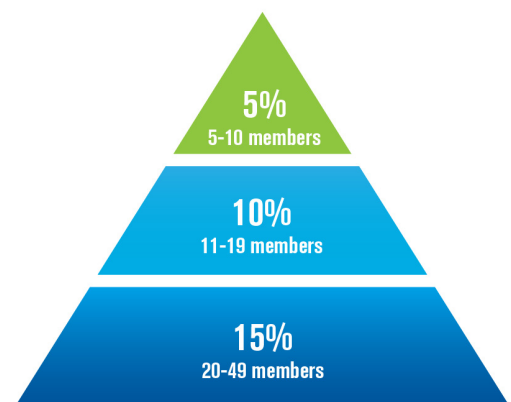
Selection →

ASHRAE eLearning offers group discounts on course packages that are customizable to fit your company's needs.

See the chart below for group discounts. Groups consisting of more than 50 individuals are eligible for a custom discount. To learn more about the eLearning process and to obtain a pricing estimate for your group enrollment, please contact ASHRAE eLearning at eLearning@ashrae.org or dial 678-539-1105.

Group Discounts:

10% 5-10 employees
15% 11-19 employees
20% 20-49 employees

ASHRAE Chapter Discounts:

5% 5-10 members
10% 11-19 members
15% 20-49 members

*ASHRAE is an approved Continuing Education provider for the American Institute of Architects (AIA) and a USGBC Education Partner. Continuing Education hours earned from ASHRAE courses may be applied toward renewal of state-licensed professionals and maintenance of LEED® professional credentials.

Continuing Education (CE) hours earned from ASHRAE courses may be applied toward maintenance of state-licensed professionals (Architects and Professional Engineers), LEED credentials, and ASHRAE Certifications.