

Instructions for Accessing Your ASHRAE E-Learning Course

Thank you for selecting ASHRAE eLearning for your training. As a thank you, ASHRAE and NEBB are offering a 10% discount to NEBB customers on the following select individual courses:

Course	Units	PHDs
Achieving Zero-Energy Building Design	I-P	7.00
Air-and-Water Systems	I-P	2.00
Air-Conditioning System Components-Heat Transfer Equipment	I-P	1.00
Air-Conditioning System Components-Pumps, Valves, Piping and Ductwork	I-P	1.50
Airflow, Equipment Placement and Heat Release	Dual	1.00
All-Water Systems	I-P	3.00
Architects: Overview of Mechanical Systems	I-P	2.50
Basics of Electricity	Dual	3.50
Building Control	I-P	2.50
Building Electrical Power Components	I-P	1.75
Building Facility and Chilled-Water Systems	Dual	2.00
Building Information Modeling	Dual	2.00
Central Plants	I-P	2.00
Central Plants	SI	2.00
Compressors	I-P	2.00
Compressors	SI	2.00
Control Valves and Dampers	I-P	3.00
Control Valves and Dampers	SI	6.50
Controls	I-P	2.5
Controls	SI	2.5
DDC Introduction to Hardware and Software	I-P	2.00
DDC Introduction to Hardware and Software	SI	2.00
DDC Networks and Protocol	Dual	1.50
DDC Specification, Installation and Commissioning	I-P	2.00
DDC Specification, Installation and Commissioning	SI	4.50
Decarbonizing Thermal Systems with Heat Pumps	--	1.50
Dual-Duct and Multizone All-Air Systems	I-P	1.50
Electric Controls	I-P	2.00
Energy Conservation and Efficiency in Buildings	I-P	1.50

Essentials of Controls	I-P	1.50
Essentials of Controls	SI	1.50
Essentials of Dedicated Outdoor Air Systems (DOASS)	I-P	1.50
Essentials of Dedicated Outdoor Air Systems (DOASS)	SI	2.00
Grid-Interactive Buildings for Decarbonization	N/A	1.50
Hydronic System Architecture	I-P	3.00
Hydronic Systems	I-P	2.50
Indoor Environmental Conditions for Human Comfort	I-P	1.50
Indoor Environmental Conditions for Human Comfort	SI	1.50
Indoor Environmental Quality	I-P	4.00
Introduction to HVAC Design	I-P	1.50
Introduction to HVAC Design	SI	1.50
Introduction to HVAC Systems	Dual	3.50
Introduction to Refrigerants	SI	1.50
Introduction to Zones	I-P	1.50
Introduction to Zones	SI	1.50
Liquid Cooling and Facility Cooling Systems	Dual	1.50
Load Calculations	I-P	2.00
Load Calculations	SI	2.00
Multiple Zone Air Systems	I-P	2.00
Multiple Zone Air Systems	SI	2.00
Pneumatic Controls	I-P	3.00
Psychrometrics	I-P	1.50
Psychrometrics	SI	1.50
School of Hard Knocks: Controlling Moisture & Humidity in Buildings	Dual	3.00
Self- and System-Powered Controls	I-P	1.50
Sensors and Auxiliary Devices	I-P	3.50
Sensors and Auxiliary Devices	SI	3.50
Single Zone Air Handlers and Unitary Equipment	I-P	3.00
Single Zone Air Handlers and Unitary Equipment	SI	3.00
Standard 62.1: Ventilation and Acceptable Indoor Air Quality	Dual	2.00
Standard 90.1 (2022): Changes Over Time (Dual), 1.0 PDH	Dual	1.00
Solar Decathlon Building Science Education	Dual	6.50

Special Applications	I-P	4.00
Special HVAC Systems	I-P	3.00
Ventilation and IAQ	I-P	2.00
Ventilation and IAQ	SI	2.00

To obtain your 10% discount on your eLearning courses, please enter the following coupon code at checkout on [ASHRAE's eLearning catalog](#): **NEBB10SUMMER26**

The deadline to use the coupon code is **September 30, 2026**.

Instructions for Using the Coupon to Purchase eLearning Courses

To get started, please click here: [ASHRAE eLearning](https://www.ashrae.org/eLearning).

- Upon clicking the above link, the screen/page below will open.

ASHRAE Learning Center

- Search for the course(s) you need and add them to the shopping cart. (See screenshot below)

Load Calculations (I-P), 2.0 PDHs (AIA)

Details

This course covers the brief history, purpose, and importance of load calculations, major steps involved in carrying out load calculations, and how they are used in selecting HVAC&R systems. This course will familiarize the learner with internal and external loads to be considered in load calculations, different calculation methods, and interpreting the input and output data of computer-based heat load calculations. Learn about carrying out heat load calculations using fundamentals with a practical example. (I-P), 2.0 PDHs.

By the end of this course, you'll gain a better understanding of:

- Heating, ventilating, air-conditioning, and refrigeration definitions
- A brief history of heating, ventilating, air-conditioning, and refrigeration (HVAC&R)
- The purpose of load calculations in HVAC&R Design
- The seven major air-conditioning steps in computer-based heat load calculations
- The five main aspects of a space that influence an occupant's comfort
- Some of the ASHRAE standards that influence the design of an HVAC&R system
- Carrying out heat load calculations using fundamentals with practical examples

This course is AIA approved. It can be subscribed to independently, as a part of Loads and Modeling Course Package, Fundamentals: HVAC Systems Course Package, or Fundamentals eLibrary.

- Upon adding your courses to your cart, you will be prompted to login.
 - If you are an ASHRAE member or already have an ASHRAE account, please login.

- If you do not have an ASHRAE account, you will need to create an account first.

- During account creation, please enter your first and last names as you would like them to appear on your certificate of completion.
 - **NOTE:** If your company is paying for your course, the account must be set up under your name and not the name of the person who is paying for the courses.

- Once you have added your courses to the cart, go to the shopping cart. Enter the coupon code **NEBB10SUMMER26** into the Coupon Code field and click Apply.

Your Cart (1 item)

Item	Price	Quantity	Total
 Load Calculations (I-P), 2.0 PDHs (AIA)	\$63.00	1	\$63.00

Subtotal: \$63.00

Coupon Code: [Add Coupon](#)

Grand total: \$63.00

[Continue Shopping](#) [Check out](#)

Subtotal: \$63.00

Coupon Code: [Cancel](#)

[Apply](#)

Grand total: \$63.00

[Continue Shopping](#) [Check out](#)

- Once you apply the coupon code, click Check Out to proceed.

Your Cart (1 item)

Item	Price	Quantity	Total
 Load Calculations (I-P), 2.0 PDHs (AIA)	\$63.00	1	\$63.00

Subtotal: \$63.00

Coupon (NEBB10SUMMER26) [Remove](#) -\$6.30

Grand total: \$56.70

[Continue Shopping](#) [Check out](#)

- Next, proceed with the checkout process.
 - You will be taken to the Billing Information page. Enter the name and contact information associated with the credit card, and then click Continue.

Billing

Billing Address

Enter a new address ▼

First Name Last Name

Martha Ball

Company Name (Optional)

ABC & XYZ

Phone Number (Optional)

123-456-7890

Address

11 Tech Parkway

Apartment/Suite/Building (Optional)

City

Peach Trees

Country

United States ▼

State/Province Postal Code

Georgia ▼ 30092

☒ Save this address in my address book.

Order Comments

CONTINUE

- On the Checkout page, enter your payment information.

Billing Martha Ball
ABC & XYZ 123-456-7890
11 Tech Parkway
Peach Trees, Georgia, 30092 / United States [Edit](#)

Payment

☒ **Credit Card**    

Credit Card Number 

Expiration

MM / YY

Name on Card

CVV 

☐ Save this card for future transactions

PLACE ORDER

- After you checkout, you will be taken to your order confirmation page. Click on My Courses, which will take you to your Dashboard.

Thank you Martha!

Your order number is **15711**

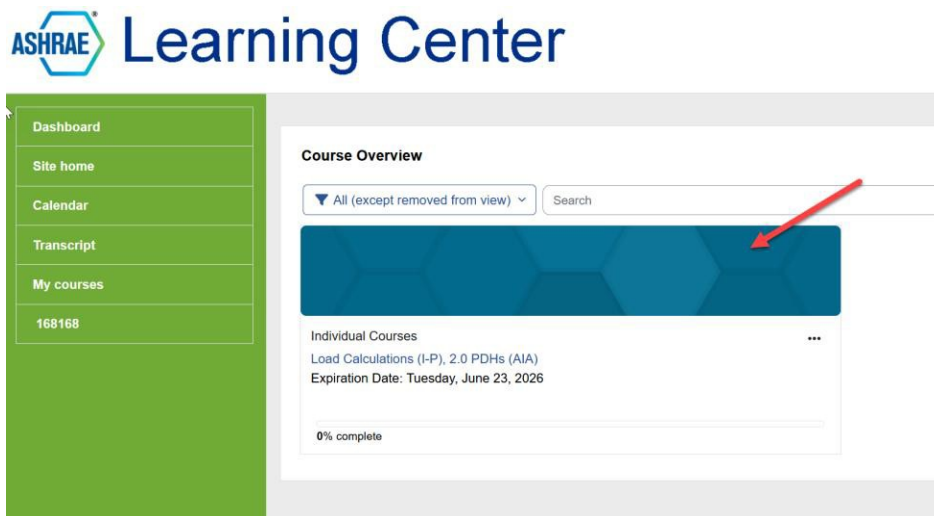
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CONTINUE SHOPPING »

MY COURSES

- On your Dashboard, you will see your course(s).



- **NOTE:** Before starting your course, please verify that the course on your eLearning account dashboard is correct. To confirm the course, please check the course title, the measurement unit (i.e. I-P, SI, Dual), and the number of PDHs. Once a course has been taken and a certificate received, the course cannot be exchanged or refunded, nor can a complimentary course be added.
- Click on the course box to begin.
NOTE: For best experience, please use Firefox or Google Chrome to access your courses.