

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 |

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|---|------|------|
| 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 |

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|----------------------|-----|------|
| 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](#): **NEBB10WINTER26**

The deadline to use the coupon code is **March 31, 2026**

Instructions for Using the Coupon to Purchase eLearning Courses

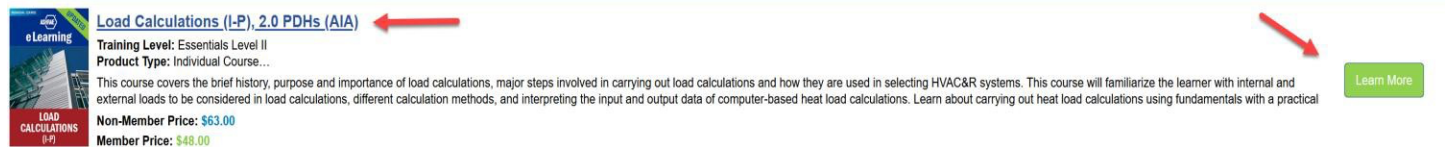
To get started, please click here: [ASHRAE eLearning](https://www.ashrae.org/eLearning).

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

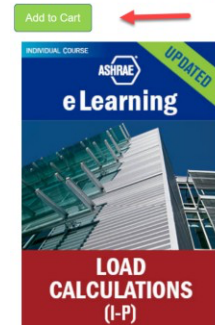
ASHRAE Learning Center



- 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)



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.

Training Level: Essentials Level II
Type: Individual Course

Non-Member Price: ~~\$63.00~~
Member Price: ~~\$48.00~~

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.

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 **NEBB10FALL25** 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

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|---|---------|----------|---------|
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123-456-7890

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Peach Trees

Country

United States ▼

State/Province Postal Code

Georgia ▼ 30092

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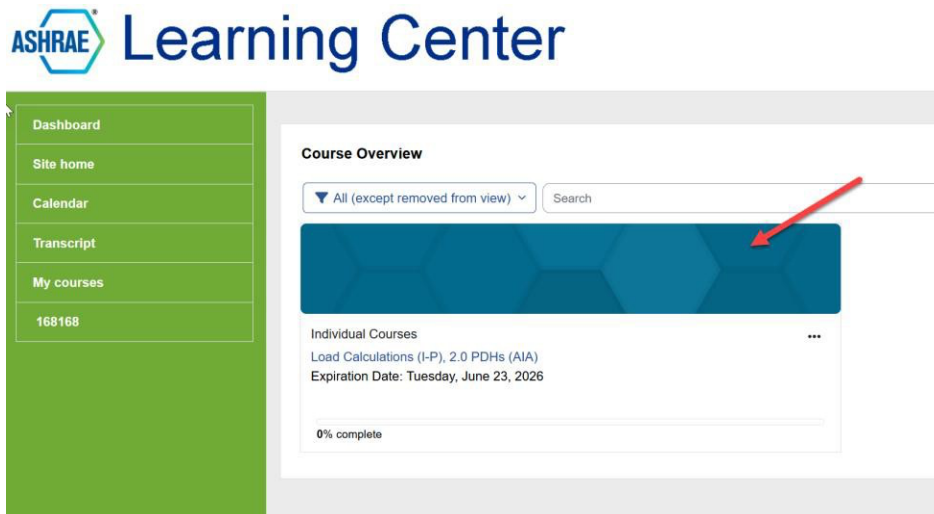
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MY COURSES

- 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.