



Principles of Air System Design



A close look at the theory and mechanics of conditioning air



Daikin Applied is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.

Principles of Air System Design

Course Location

Daikin Applied
13600 Industrial Park Blvd.
Plymouth, MN 55441
PH: 763-553-5324

Course Fee

\$1,200

Course Length

4 days

CEU's Offered - 3.0

Yes No

Testing Required

Yes No

2018 Course Schedule

Mar 12 - 15

Jun 11-14

Nov 13 - 16

Registration Deadline

Feb 23

Jun 1

Nov 16

The training fee is 10% higher for registrations received after the deadline.

Daikin Learning Institute will provide

Instruction Materials

Coffee Breaks

Lunch

Group Dinner

Principles of Air System Design

Course Description: This course covers a full range of instruction from basic theory and fundamentals of heat transfer, fluid dynamics and psychrometrics to air-side application theory, fan and coil selection, duct design, and air-side controls. Several building types will be used in simulated interactions between design engineers and sales engineers regarding hypothetical new construction and renovation projects.

Course Level: Beginner

Who Should Attend: Sales and application engineers and technicians who are looking for an introduction to Air System Design

Prerequisite Courses or Skills: Mechanical engineering degree or other engineering discipline with experience in building systems. Completion of Principles of HVAC strongly recommended.

Learning Outcomes:

Upon successful completion of this course, attendees will be able to:

- Define air distribution methods and their pros and cons
- Analyze psychrometrics and its use in HVAC design
- Identify heating and cooling coil design and application
- Assess fan types and their use in various applications
- Distinguish the two most common methods of duct design
- Learn fundamental acoustics in air-side systems
- Understand DOAS and heat recovery system
- Differentiate options for air-side design in various building types
- Distinguish common codes and standards used in air-side design



Daikin Learning Institute Training Registration Form

Course Title: _____
Dates: _____
Course Location: _____
Company Name: _____
Mailing Address: _____
City, State, Zip: _____
Student Name: _____ Email: _____
Phone Number: _____ Fax Number: _____
Submitted By: _____ Email: _____
Phone Number: _____ Fax Number: _____

Please Specify Payment Option Below And Complete All Information.

Company Name: _____
Billing Address: _____
Contact: _____
City, State, Zip: _____
Phone Number: _____ Fax Number: _____

CREDIT CARD: Master Card VISA American Express Discover (Novus)

Card Number: _____ Expiration Date: ____ / ____ / ____

Cardholder Printed Name: _____

Payment is due in advance or student(s) will not be admitted.

Mail copy of application form to:
Daikin Applied/ Attn: Daikin Learning Institute
13600 Industrial Park Blvd.
Plymouth, MN 55441
763-553-5324

E-mail copy of application to:
training.reg@daikinapplied.com

Daikin Learning Institute reserves the right to make changes or alternations to the course content or schedule, and is not responsible for fees associated with changing dates or cancellation of classes. In the unlikely event of a schedule change or cancellation, our best effort will be made to notify all registrants in a timely manner.