

Certified Passive House Consultant & Designer Course

PHA is proud to be one of the leading training providers globally in Passive House, offering a wide range of internationally accredited programs on both sides of the Atlantic.

PHA has trained over 700 graduates of the Certified Passive House Designer and Certified Passive House Tradesperson trainings, graduates who are now providing design, consulting and contracting services on leading high performance projects.



This seven day (eight in NYC) course of direct contact classroom training is aimed at ALL Building Professionals, including Architects and Mechanical, Civil, Structural and Electrical Engineers, Contractors and Builders.

A combination of lectures by leading Passive House experts, group design and calculation exercises, workshops, and exchange with experienced contractors and, for those taking the course in NYC, a full day visit to the Passive House Tradesperson Lab where participants can see a wide range of envelope and mechanical systems.

Course accreditation:

On successfully passing the exam, Participants will receive the internationally recognized accreditation as Certified Passive House Consultant / Designer, joining a rapidly expanding global community. Furthermore, this program has been accredited by the American Institute of Architects and is worth 45+ Learning Units.



Learning Objectives

Module 1:

- Define the Passive House Standard & Outline the principles of designing Passive House buildings
- Calculate energy balance of PH buildings considering transmission & ventilation losses & solar & internal heat gains
- Specify the performance characteristics of opaque envelope detailing, insulation, airtightness & thermal bridging
- Specify Passive House window systems, including performance assessment and fitting details
- Summarize the fundamentals of thermal comfort during the summer

Module 2:

- Outline key indoor air quality issues assured in Passive House buildings
- Understand mechanical ventilation with heat or energy recovery including system design, detailing, sizing & layout
- Describe space heating, cooling, dehumidification & hot water generation and distribution options for PH buildings
- Complete the basics of economic efficiency calculation and profitability of deep retrofit measures
- Successfully complete exam style exercises, designs and multiple-choice challenges

Course fees: \$390 (with NYSERDA discount)

Exam fee : \$350

Registration: www.passivehouseacademy.com

email us: events@passivehouseacademy.com