

AEE – Certified Energy Manager (CEM) – On Demand Syllabus

Overview

Course Description

The Certified Energy Manager On-Demand Training Program offers the full-length version of the CEM program (20+ training hours), through pre-recorded sessions from multiple instructors. Participants will also receive an electronic copy of the workbook to prepare for their exam.

The instructor teaches participants energy relationships and the equations and calculations that govern them. As a CEM, it is easier to optimize a system when these fundamentals are understood. When used as a certification exam preparation tool, the on-demand program effectively prepares participants for the CEM exam because they are more comfortable performing energy-related equations.

During the six-month access period, you can stream the videos at any time, from anywhere you have an internet connection. There will also be a monthly Q&A session with the instructor for participants to clarify any points presented in the program.

This training program is only intended for US participants. This does not qualify you for the International CEM Certification Exam.

Who is the CEM On-Demand Program For?

The short answer is anyone that is focused and committed to a self-study learning format. Professionals interested in, or actively performing energy management and energy efficiency-related work will gain the most. But it is also useful for entry-level candidates or individuals that interact with energy professionals during their daily work.

Monthly Live Q&A

While taking the on-demand CEM course you can attend a once-a-month live 1-hour Zoom Q&A session during which one of the instructors will answer questions.

AEE – Certified Energy Manager (CEM) – Virtual Syllabus

Overview

Course Information

April 22-26, 2024

1.2 CEU

Course Description

This online program is a **highly condensed version** of the standard Certified Energy Manager Program. It is designed for professionals with a P.E. or at least five years of experience in the energy management or energy efficiency fields.

Over five days, the instructor will review many aspects of energy management, including current strategies, principles, and best practices, and available systems and technologies. The fast-paced program focuses on the “where to” and “how to” optimize energy use and costs within non-residential buildings. By understanding the fundamental principles, experienced professionals finish the program with actionable ideas they can immediately apply in their facilities to improve profitability. The instructor reviews energy calculations and core content aligned with the CEM Body of Knowledge.

Who Should Attend

This fast-paced program assumes attendees have prior experience in the energy management field and have the ability to study and work problems offline. It is of particular value to Facility Managers, Energy Managers, Utility Employees, ESCO Employees, Energy Engineers, and Consultants. The course covers complex concepts in a condensed schedule and is of particular value for those wishing to review energy management principles and practices before taking the CEM certification exam.

Online Training Experience

Attendees can participate in this online program from anywhere you have access to a high-speed internet connection or access via smartphone/tablet.

Objectives

What You Will Learn

- Learn energy management from a global perspective, but also understand applicable codes, standards, and policies for your region or country.
- Learn how systems and energy-saving technologies can be used throughout a building, such as HVAC, lighting, motors, boilers, energy storage, CHP, etc.
- Learn how energy management strategies and practices, such as energy audits or M&V, can help identify energy savings and reduce costs.
- Understand the economic aspects of energy management that you need to know for procurement, supply, and project financing.