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ENERGY MODELING SPECIALIST
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BASICS OF BUILDING ENERGY MODELING - BEM

ONLINE PROFESSIONAL COURSES LED BY THE WORLD'S TOP SPECIALISTS

ONLINE TRAINING BY KRISHNAJI PAWAR

LEED AP(BD+C),GSAS CGP,GCP,ISO 14001

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MODULE 8

Professional energy modeling specialist certification

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BASICS OF BUILDING ENERGY MODELING - BEM

Building energy modeling is essential for commercial and institutional retrofit design, code compliance, and real-time building control. Modelers can include building performance, climate, construction materials, architectural design, HVAC, and building analysis.

Learning Objectives

- Introduction
- What is Building Energy Modeling (BEM)?
- Building Energy Codes and Standards
- Building Energy Modeling Tools
- LEED and Building Energy Modeling
- Building Energy Modeling and Commissioning
- Benefits of Building Energy Modeling
- Professional energy modeling specialist certification
- Summary and Resources

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INTRODUCTION

- The ANSI-Accredited Personnel Certification Program (#1139) BEMP certification verifies that you are capable of utilizing various types of physics to model both new and existing buildings and systems.
- Energy modeling software outputs are evaluated, selected, used, calibrated, and understood in connection to building and system economics and energy performance.
- Building energy modeling is essential for retrofit design, code compliance, and real-time building control in commercial and institutional buildings.
- Modelers can combine building analysis, climate, construction materials, architectural design, and HVAC systems.

WHY ENERGY MODELING PROFESSIONALS PURSUE THE ASHRAE BEMP

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- Advance your career prospects and enhance your reputation. View survey results.
- Exhibit a high level of proficiency in essential building energy modeling competencies and skills. Identify the BEMPs.
- The digital insignia issued by BEMP ensures improved recognition.
- ISO/IEC 17024 (ID #1139)-accredited personnel certification program of the ANSI National Accreditation Board (ANAB), ensuring validity and impartiality



WHY ENERGY MODELING PROFESSIONALS PURSUE THE ASHRAE BEMP

- Career prospects and standing should be enhanced. Refer to the survey results.
- Exhibit a high level of proficiency in essential components of building energy modeling. Determine who is BEMP.
- Improved recognition is ensured by the BEMP digital emblem.
- IEC 17024 (ID #1139)-accredited ANSI National Accreditation Board (ANAB) personnel certification program, which guarantees validity and impartiality.





CERTIFIED BUILDING ENERGY SIMULATION ANALYST

The AEE's Building Energy Simulation Analyst (BESA) professional certification aims to acknowledge persons who possess exceptional knowledge and practical experience in applying building energy simulation software to evaluate the energy efficiency of a facility.

Objectives:

- to raise the professional standards of those engaged in energy simulation.
- To improve the practice of energy simulators by encouraging energy simulation in a continuing education program for professional development.
- To identify persons with acceptable knowledge of the principles and practices of energy simulation through completing an examination and fulfilling prescribed standards of performance and conduct.
- to award special recognition to those energy simulation professionals who have demonstrated a high level of competence and ethical fitness in energy simulation.

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