



LEADING INDUSTRY ACCREDITATION FOR ENERGY PROFESSIONALS WORLDWIDE.



What is CEM® Certification Program?

The Certified Energy Manager (CEM®) accreditation is one of the most globally respected in the field of energy management. Since 1981, over 30,000 professionals from over 100 countries have participated in AEE's CEM program. The program is ISO IEC 17024 accredited by Entidad Nacional de Acreditación (ENAC) and American National Standards Institute (ANSI,) and is also a U.S. Department of Energy Better Buildings Workforce Guidelines Recognized Program. It is also accredited by many other organizations worldwide. Since its inception in 1981, the CEM certification program has demonstrated its validity year after year.

CEMs optimize the energy performance of a facility, building, or industrial plant. They work as systems integrator for electrical, mechanical, process, and building infrastructure, analyzing the optimum solutions to reduce energy consumption in a cost-effective approach. CEMs are often team leaders and help to develop and implement their organizations' energy management strategies. CEMs have gained increased recognition within the energy industry and by companies looking to strengthen their competitive position by having responsible energy strategies and sustainable operational practices.

Who should get CEM® Certification?

Energy managers looking to validate your experience and knowledge.

- Consultants specializing in improving the energy efficiency of buildings and building systems,
- Building owners or managers looking to understand how energy savings can finance their next project.
- Professionals involved in developing energy efficiency projects, strategies or sustainability programs for organizations.

What does CEM® Certification Program offer?

- Helps educate and qualify individuals involved in optimizing the use of energy in buildings and systems.
- Provides industry and peer recognition by demonstrating through an understanding of energy-efficiency principles, practices and technologies.
- Raises professional standards, both technical and ethical, of those engaged in energy efficiency and energy management.

What is the scope of CEM® Certification Program?

- Codes and Standards
- Energy Accounting and Economics
- Energy Audits and Instrumentation
- Electrical Power Systems and Motors
- HVAC Systems
- Industrial Systems
- Building Envelope
- CHP Systems and Renewable Energy
- Fuel Supply and Pricing
- Building Automation and Control Systems
- Thermal Energy Storage Systems
- Lighting Systems
- Boiler and Steam Systems
- Maintenance and Commissioning
- Energy Savings
- Performance Contracting and Measurement & Verification



Who is eligible to become CEM®?

- Candidates with relevant experience or educational credentials (see below).
- Candidates who have attended training the program that aligns with the fundamental knowledge base of the program, and the principles and practices of the industry as a whole.
- Candidates who have passed the associated exam that demonstrates candidates' technical knowledge, proficiency, and abilities in the area of energy efficiency.

Experience and Education Requirements

Applicants must meet one of the following eligibility criteria:

- Hold a 4-year engineering or architectural degree OR Professional Engineer (PE) OR Registered Architect (RA) and 3+ years related* work experience.
- Hold a 4-year technology, environmental science, physics, or earth science degree and 4+ years related* work experience.
- Hold a 4-year business degree and 5+ years related* work experience.
- Hold a 2-year energy management associate degree and 6+ years related* work experience.
- Hold a 2-year associate degree and 8+ years related* work experience.
- Have 10+ years related* work experience

AEE Qatar Chapter

Represented by the Gulf Organisation for Research & Development (GORD) as a corporate member, AEE Qatar Chapter is the official representative of AEE in Qatar. For energy professionals in Qatar, AEE opens offers avenues of constant growth through professional trainings in areas related to energy engineering, energy management, renewable and alternative energy, power generation, energy services and sustainability, etc.