



Please Note: This CEM Training course is re-scheduled from November 12 to November 26 to accommodate scheduling.

This is the week after Thanksgiving. The Course is being held at the West Campus of Corporate College in Westlake, Ohio

ZGRA-1057: Certified Energy Manager

Description: Since its inception in 1981, the Certified Energy Manager (CEM) credential has become widely accepted and used as a measure of professional accomplishment within the energy management field. It has gained industry-wide use as the standard for qualifying energy professionals both in the United States and abroad. It is recognized by the U.S. Department of Energy, the Office of Federal Energy Management Programs (FEMP), and the U.S. Agency for International Development, as well as by numerous state energy offices, major utilities, corporations and energy service companies.

Topics Covered: The prerequisites to qualify for the certification process have been designed to take into account the possible diversity of education and practical experience an individual may have. However each CEM candidate must meet one of the following criteria:

- A four-year engineering or architectural degree, or a registered Professional Engineer (P.E.), or Registered Architect (R.A.) with at least three years experience in energy engineering or energy management.
- A four-year business or related degree, with at least five years experience in energy engineering or energy management.
- A two-year technical degree, with eight years experience in energy engineering or energy management.
- Ten years or more verified experience in energy engineering or energy management. (Note: Letters of reference and verification of employment must be submitted.)

Examination and Training Requirement

Beginning May 1, 2012, all CEM candidates taking the exam in the United States (only) will take the revised format CEM Certification Exam. The new format exam will contain the same number of questions as previous versions, 130, and the exam duration will remain 4 hours. The new exam will not include optional sections, as in the past; rather, the exam will include questions from all 17 sections of the CEM Body of Knowledge.

- 1. Codes & Standards & Indoor Air Quality
- 2. Energy Accounting and Economics
- 3. Energy Audits and Instrumentation
- 4. Electrical Systems
- 5. HVAC Systems
- 6. Motors and Drives
- 7. Industrial Systems
- 8. Building Envelope
- 9. Cogeneration and CHP Systems
- 10. Energy Procurement
- 11. Building Automation and Control Systems
- 12. Green Buildings, LEED & Energy Star
- 13. Thermal Energy Storage Systems
- 14. Lighting
- 15. Boiler and Steam Systems
- 16. Maintenance & Commissioning
- 17. Alternative Financing

Comments: Course fee includes proctored CEM exam.

Title	CR N	Time	Location	Dates	Instr.	Credits	Session	Cap.	Avail.	Type	Term	Add'l Fees	More Info.
☞ Course : ZGRA-1057 Certified Energy Manager													
Certified Energy Manager	89001	MTW RF 8:30 AM-4:30 PM	Corporate College West	11/26-11/30	Staff	03.50	Continuing Education Course	20	20	CEU	Fall 2012	\$2195.00	

DEDUCT \$100 FOR AEE MEMBERS! Note this includes application fees which are being increased to \$400 1/1/13. Last Chance to save at this price!