

Comprehensive 5-Day Training Program for Energy Managers

Preparatory Courses and Certification Examinations for the Certified Energy Manager

Locations in India and Nepal (<https://www.aeecenter.org/certifications/certifications/certified-energy-manager>)

Organized and Conducted in India and Nepal by IISWBM, Kolkata 2018

These training seminars provide an in-depth, comprehensive learning and problem-solving forum for those who want a broader understanding of the latest energy cost reduction techniques and strategies, as well as serving as a preparatory course of instruction for energy professionals preparing to sit for AEE's Certified Energy Manager (CEM®) examination. Answers to the Frequently Asked Questions are available at <https://www.aeecenter.org/certifications/faq-qa>

PROGRAM OF STUDY

The program begins by examining the fundamentals within all key areas of energy management. From there, the instructors systematically move to a "working level" knowledge of the specific principles and techniques needed to really get the job done. This approach has been designed to fulfill the needs of professionals who seek a broader and more detailed learning experience than can be provided in AEE's shorter courses. In five days of at least 32 hour of interaction and four hours of CEM examination, you can gain the knowledge and confidence it takes to effectively apply state-of-the-art principles of energy management, and to achieve control over energy costs in your organization — whether you're responsible for managing a single facility or developing an energy management program for multiple corporate facilities, government buildings, etc. The program has been completed by thousands of professionals since its inception in 1994.

REGISTRATION

Updates on Course schedules, venue, dates, cost, eligibility, contact for details and registration information are available at: <https://www.aeecenter.org/certifications> and www.iiswbm.edu. Email your queries to bkchoudhury@iiswbm.edu and binoykchoudhury@gmail.com and/or phone/SMS +91 9123395598 or 9433153009.

INDICATIVE INFORMATION

If those who are eligible, in terms of educational qualification, to take the exam but do not meet the experience requirement, on the date of application for CEM examination (as mentioned on the right-side column of this paper) receive a passing score, they can still earn the Energy Manager In Training (EMIT) certification. Then they have up to six years to gain the number of years of experience needed based on their education level (see eligibility requirements for CEM & EMIT).

Persons interested in CEA and other courses of AEE may Email to bkchoudhury@iiswbm.edu for details and click on <https://goo.gl/forms/WXJGGI5I9YnqnXAk2> to give your valuable response.

#CEA is hold in a separate classroom and will start the next day to CEM, as in the following Table:

Important Dates for both CEM and CEA #	Fees* (INR)	Kolkata	New Delhi	Mumbai
Venue		IISWBM	Institution of Engineers (I)	
Training Seminar # (Start: 8.30 Hrs)	25000	-----	June 25-29 8.30 Hrs	November 26-30, 8.30 Hrs
Examination (From 13 to 17 Hrs)	15000	May 28	June 29, 2018	November 30, 2018
Application Complete with Fees, within		May 15	June 11, 2018	November 1, 2018, 2018
Email of Admit Card (with Centre address) to Eligible Candidates		May 17	June 18, 2018	November 8, 2018
Declaration of Examination Result		July 27	August 28, 2018	January 29, 2019

* Fees include relevant expenditures for Lectures and Study Materials, Certificate, Laboratory & Library (if at IISWBM), Lunch, Tea, etc. as applicable, but excluding lodging, dinner, etc. 10% Discount in Fees will be applicable to valid AEE Members and also to Alumni Members of IISWBM and AEE Student Members who served the respective AEE Student Chapters as Office Bearers. Interested participants, willing to stay at Guest Room of the venue on payment of necessary charges may directly contact IE(I).

CERTIFICATION ELIGIBILITY

The CEM exam will be administered at the close of instruction on day six to those, with requisite experience and degree from an (AICTE/UGC/AIU/Such Body) accredited university or college, who have qualified in advance to sit for the exam by submitting a completed CEM application and fee.

Each applicant for the CEM certification is required to attend AEE's five-day "Certified Energy Manager" training** program in order to sit for the exam. Prior to sitting for the exam, each candidate must complete an application. Each candidate must also pass the four-hour written exam as well as meet one of the following eligibility criteria and paid full-time work experience:

- A four-year degree in engineering or architecture or be a registered professional engineer (P.E.), or registered architect (R.A.). In addition, the applicant must have at least 3+ years experience in energy engineering or energy management; or
- A four-year degree in technology, environmental science, physics, or earth science and have at least 3+ years experience in energy engineering or energy management; or
- A three-year degree in business and at least 6+ years experience in energy engineering/management; or
- A three-year degree holder with post-graduate degree in Management or equivalent with 5+ years of work experience involving use of energy in operation, maintenance, planning, etc.; or
- A post-graduate Engineer (Master of Engineering/Master of Technology) or equivalent with 2+ years of work experience involving use of energy in operation, maintenance, planning, etc.; or
- A graduate Engineer with post-graduate degree in Management or equivalent with 2+ years of work experience involving use of energy in operation, maintenance, planning, etc.; or
- A diploma Engineer or equivalent with 6+ years of work experience involving use of energy in operation, maintenance, planning, etc.; or
- a post-graduate in Physics or Electronics or Chemistry (with Physics and Mathematics at graduation level) with 5+ years of work experience involving use of energy in operation, maintenance, planning, etc.

CEM Training would not be mandatory for the following candidates:

- Candidate possessing CEM or CEA certification from Bureau of Energy Efficiency (BEE), Government of India
- Candidate completed, within three years from the date of examinations they take, # MBA-PS degree OR Master in Public Systems Management (MPSM) with specialization in Energy Management from the University of Calcutta

COURSE OUTLINE FOR CEM OF AEE INTERNATIONAL

(<https://portal.aeecenter.org/files/certification/International/SICEMBROchure.pdf>)

<https://portal.aeecenter.org/14a/pages/index.cfm?pageID=4827> and <https://www.youtube.com/watch?v=qcSqIFVV-Ik>)

Section I – Mandatory
Energy Accounting & Economics

Section II – Mandatory
Energy Audits & Instrumentation

Candidates should choose any Nine of the remaining 13 sections from the following:

Electrical Systems

Heating, Ventilating, & Air Conditioning Systems

Motor and Drive Systems

Industrial Systems

Building Envelope

**Combined Heat & Power Systems and
Renewable Energy Systems**

Building Automation Systems

Control Systems

Thermal Energy Storage Systems

Lighting Systems

Boiler & Steam Systems

Maintenance & Building Commissioning

Financing, Performance Contracts,

Measurement & Verification

SI CEM Study Guide

(<https://www.aeecenter.org/certifications/resources/cem-resources>)

For the detailed course outline, view the link.....

Registered Participants can collect the Workbook Materials from IISWBM even before the Training Seminar, as per their convenience. AEE Book also may be available at cost.

COURSE INSTRUCTORS FOR CEM & CEA INTERNATIONAL*

Binoy K Choudhury,
Ph D., CEM & CEA (AEE, USA),
A.E.A.(BEE, Govt. of India)



* Other expert(s) would join as per requirement and availability

Binoy K Choudhury, the only CEM & CEA Trainer in the region, a Mechanical Engineering Graduate from Jalpaiguri Government Engineering College, Ph D from the Indian Institute of Technology (IIT) Kharagpur, Fellow of Institution of Engineers (India), Association of Engineers (India) & Indian Water Works Association - is currently Professor in the Energy Management stream of MBA PS (erstwhile MPSM) programme at the Indian Institute of Social Welfare and Business Management (IISWBM), Kolkata. He is Guest Faculty member of IEST and Kalyani University. He can be reached at bkchoudhury@iiswbm.edu and binoykchoudhury@gmail.com.

He also coordinated 14 batches of Short Term Course in Energy Management and Audit since 2007. He has over 22 years of teaching/ professional experience which includes more than 18 years in the present Institute. He served as Principal Investigator/Coordinator in more than ten renewable energy and energy efficiency projects which covers community development to industrial profitability/sustainability issues. He is honorary Assistant Director International Member Development for Asian Sub-continent, Association of Energy Engineers USA (<https://www.aeecenter.org/certifications/certifications/certified-energy-manager>); member in Energy & Environment Standing Committee, the Bengal National Chamber of Commerce & Industry; JICA Alumni Association of India; The Bengal Chamber Energy and Environment Committee; Low Carbon Energy for Development Network (UK). He is founder editor of Energy Window, AEE Newsletter, on the editorial board of REASON- A Technical Journal and reviewer of ACTA Press, Energy for Sustainable Development, etc.

	Mumbai	New Delhi
Name of the Contact Person (s)	Mr. Milind Chittawar, President, AEE Western India Chapter milind.chittawar@seetechsolutions.in Mr. Vinay Gadikar, CEM(USA) vinaygadikar@gmail.com ; Mobile: 8422960001	Mr. Dalip Singh, President, AEE Delhi Chapter (DC) dschahar@gmail.com ; Mobile: 9350846853 Mr. R K Yadav, Vice President, AEE DC; rajendra805@gmail.com

Use format given in <http://www.iiswbm.edu/WebPages/PublicPages/SeminarAndWorkshop/CEMbrochure2.aspx> to apply (through both Email to bkchoudhury@iiswbm.edu as well as binoykchoudhury@gmail.com and copy to fo@iiswbm.edu as well as registrar@iiswbm.edu by stipulated date; and also hard copy to be handed over on Exam date at site in Mumbai or in New Delhi, respectively, with Name(s), Qualifications & Experience (enclose supporting document), Address for Communications (with mobile number and Email), and other information as per Application Format with Photo, and proof of payment made (eg. bank generated receipt with UTR number) in any one of the following options:

- A/c Payee Bank Draft in favour of "Indian Institute of Social Welfare & Business Management". The draft should be drawn on State Bank of India, Service Br., Kolkata and should reach the Institute by the stipulated date between 10.30 a.m. to 03.00 p.m. (except Saturday & Sunday)
- Online Payment by stipulated date : Bank details for NEFT/RTGS Transfer: Beneficiary: IISWBM, Name of Bank: State Bank of India, 5/7/2 Surya Sen Street Branch, Kolkata-700012, ACCOUNT NO.:10252384198, IFS Code: SBIN 0003496; SWIFT Code: SBININBB492, MICR Code: 700002099 and PAN : AAATI3215M.

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