

# Green Career Conference

Certification Programs

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# Building Operator Certification Program

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**Building Operator Certification (BOC®) is a nationally recognized training and certification program for building operators offering improved job skills and more comfortable, energy-efficient facilities.**

**<http://www.theboc.info/index.html>**

# BOC Certification

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- ◆ Next area classes are available in Buzzards Bay from October 15<sup>th</sup> – December 9<sup>th</sup>
- ◆ Cost of \$1,275 per student. Tuition reimbursements are available from local utilities and BOC sponsors
- ◆ Students must complete the classes, project assignments, exams, and submit certification application to the BOC for certification
- ◆ BOC certified operators must renew their certification annually

# The Association of Energy Engineers

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- ◆ The Association of Energy Engineers (AEE) is a nonprofit professional society of over 11,000 members in 78 countries. The mission of AEE is “ *to promote the scientific and educational interests of those engaged in the energy industry and to foster action for Sustainable Development.*”  
<http://www.aeecenter.org/index.html>  
<http://www.aeenewengland.org/>
- ◆ AEE offers a full array of informational outreach programs including seminars (live and internet based), conferences, journals, books, and certification programs.
- ◆ AEE's network of 67 local chapters meets regularly to discuss regional issues. AEE's roster of corporate members is a veritable “who's who” from the commercial, industrial, institutional, governmental, energy services, and utility sectors. .

# Some of the more popular certifications

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## Certified Energy Manager – CEM

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.

# AEE Certifications

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## Certified Energy Auditor - CEA

The CEA certification is one that identifies professionals as having the required knowledge and experience needed to succeed in the growing field of energy auditing.

## Certified Lighting Efficiency Professional - CLEP

AEE's Certified Lighting Efficiency Professional (CLEP) program is designed to provide recognition for professionals who have distinguished themselves as leaders in the field of lighting efficiency.

# Certified Energy Manager - Qualifications

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## 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.

# Certified Energy Manager – Training & Exam

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- ◆ Training Courses and examination locations are available on AEE site. Online Seminars are available
- ◆ Fees vary from \$995 - \$1,795 depending on seminar length and type (Online vs. In person)
- ◆ CEM Certification Exam ranges from \$200-\$300
- ◆ AEE New England Chapter offers the 3 day CEM course and examination every spring in the Boston area

## More on AEE New England Chapter

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- ◆ October 7<sup>th</sup> we are hosting “Career Night”
- ◆ December 9<sup>th</sup> we are hosting our annual “Sponsor Night”
- ◆ AEE NE now has a group on LinkedIn  
[http://www.linkedin.com/groups?home=&gid=2280514&trk=anet\\_ug\\_hm](http://www.linkedin.com/groups?home=&gid=2280514&trk=anet_ug_hm)
- ◆ We also have a member Directory that will be posted on our websites and other industry related websites
- ◆ Visit us at <http://www.aeenewengland.org/>

## Other Certifications

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- ◆ **Northeastern University Facilities Management Certificate**  
<http://www.spcs.neu.edu/professional/evening/facman>  
This certificate was developed for facilities plant managers, systems administrators/technicians, property managers, and maintenance personnel.
- ◆ **Leadership in Energy and Environmental Design LEED certifications**  
<http://www.gbci.org/DisplayPage.aspx?CMSPageID=19> A LEED credential provides employers, policymakers, and other stakeholders with assurances of an individual's current level of competence and is the mark of the most qualified, educated, and influential green building professionals in the marketplace.

# Networking

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- ◆ **Young Professionals in Energy** <http://www.ypenergy.org/chapters/>
- ◆ **Association for Facilities Engineering AFE**  
<http://www.afe.org/chapters/region8.cfm>
- ◆ **American Society of Heating, Refrigeration & Air-Conditioning Engineers ASHRAE** <http://www.ashraeboston.org/>
- ◆ **Association of Energy Service Professionals** <http://www.aesp.org/>
- ◆ **LinkedIn Groups**
  - ◆ **AEE NE**  
[http://www.linkedin.com/groups?gid=2280514&trk=myg\\_ugrp\\_ovr](http://www.linkedin.com/groups?gid=2280514&trk=myg_ugrp_ovr)
  - ◆ **Renewable Energy Network**  
[http://www.linkedin.com/groups?gid=40102&trk=myg\\_ugrp\\_ovr](http://www.linkedin.com/groups?gid=40102&trk=myg_ugrp_ovr)

# Energy Efficiency at a local High School

