



TRAINING THAT DEVELOPS
REAL CAPABILITY



Certified Energy Auditor

EE005

Certified Energy Auditor

Based on the growing demand for qualified professionals, the Certified Energy Auditor (CEA™) and Certified Energy Auditor in Training (CEAIT™) certifications were developed and added to the broad portfolio of professional certifications offered by the Association of Energy Engineers. Rising energy costs and inefficiency in plants and buildings is continually driving the need for trained and experienced energy auditors. 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.

This course is currently available for Virtual Delivery

Duration & Price

Duration: 4 days

Delivery mode: This programme is available In-Company

Dates & Locations

In-Company training programmes are customised for your organisations specific needs. Most In-Company training is now delivered virtually.

In-Company Training

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What's covered?

The course program has been developed and adapted for European organisations and covers the key topics of:

- Developing an energy audit strategy and plan
- Energy use analysis
- Data collection and analysis
- Economic analysis
- Lighting Systems
- HVAC systems
- Domestic hot water systems
- Motors, drives and compressed air Systems
- Building Envelope
- Building Automation systems
- Alternative generation and energy storage
- Transport energy

This course is presented in a lecture and discussion format.

Who should participate?

- Staff who have responsibility for energy management and want to gain a better understanding of how to improve their approach to managing energy
- Members of energy teams who want to contribute more to the energy and water management challenge
- Environmental auditors who want to gain a better understanding of energy and the opportunities for energy reduction
- Technicians who want to gain a better understanding of their impact on energy.

What will I learn?

Participants achieve the following learning outcomes from the programme;

- Assess the energy consumption of an organisation.
- Analyse the energy data of the organisation to identify key trends or issues.
- Identify the areas of significant energy use for that organisation.
- Apply the principles of benchmarking the organisation against other similar organisations.
- Identify the key opportunities for energy and water improvements related to those areas of significant energy use using sound audit principles.
- Apply sound financial principles to energy management projects including life cycle costing and savings to investment analysis.
- Engage and interact in a structured energy management environment with a full understanding of the ISO 50001 energy management standard approach.
- Transition the outcome of their energy audits into a functional energy management system in line with the requirements of ISO 50001
- Undertake the role as an ESOS Lead Assessor under UK ESOS Legislation

What are the entry requirements?

A delegate wishing to achieve CEA certification must have:

- a) Four year degree from an accredited university or college 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 three years of verifiable experience* in energy auditing, energy management, facility management, or experience related to energy management **OR**
- b) Four years non-engineering degree with *at least four years of verifiable experience* in energy auditing, energy management, facility management, or experience related to energy management **OR**
- c) Two years technical degree with *at least five years of verifiable experience* in energy auditing, energy management, facility management, or experience related to energy management; (equivalent of Level 6 on the National Framework of Qualifications e.g. maintenance fitter, maintenance electrician, or certificate in environmental sciences) **OR**
- d) Ten years of verifiable experience in energy auditing, energy management, facility management, or experience related to energy management; **OR**
- e) The current status of Certified Energy Manager (CEM®). Note: If you have already attended the CEM course, you will have covered the syllabus for this 3 day CEA programme.

It is possible for a person with the correct academic qualification but not having the relevant energy related experience, to undertake the course and the examination. On passing the exam they will be awarded the “Energy Auditor in Training” certification. Once the relevant experience has been acquired, the person will receive the CEA certification without having to retake the examination. Persons competencies will be assessed against the BSI published PAS 51215 requirements to ensure that they have the relevant experience to become certified.

For applicants whose first language is not English, SQT recommends a minimum English language competency of IELTS 5.5 (or equivalent) for successful completion of this programme. It is important to note that learners are not expected to have an IELTS or equivalent examination complete. Potential delegates are expected to [self-assess](#) their English language competency against the IELTS Band scores which can be found in [this](#) document.

How will I be assessed?

Examination will be by means of a 4 hour open book examination, conducted online by the AEE examinations partner Proctor-U

Delegates complete 100 questions. Required pass mark is 70%

Requirements include:

1. Good internet connection
2. Laptop or home computer
3. Webcam
4. Need to have administrator rights on laptop or PC to allow proctor company ability to set up software on computer for during exam (will be uninstalled afterwards)

Further information relating to remote proctoring will be provided during the course and additional information can be accessed [here](#). **All candidates must review this information prior to the examination**

Programme accreditation

The Certified Energy Auditor qualification is awarded by the Association of Energy Engineers (AEE), based in the USA, but with chapters in 81 countries worldwide.

Delegates who meet the core requirements, complete the course and pass the examination will be awarded the “Certified Energy Auditor” qualification. Successful delegates will be certified as a Certified Energy Auditor by the Association of Energy Engineers (www.aeecenter.org) and will also receive one year’s free membership with AEE. Persons attending this training and passing examination (all in SI Units) and awarded certification as CEA will be automatically approved to act as Lead Assessors in the UK for the purposes of the UK ESOS Legislation.

Tutors



Ian Boylan
[View Profile](#)

What Our Learners Say

We believe in excellence through transparency and continuous improvement. That's why we invite all our delegates to share their experiences on [CourseCheck.com](https://www.coursecheck.com), an independent platform dedicated to genuine, unfiltered feedback. Learner insights help us not only to enhance our training programmes but also empower potential learners to make informed decisions. Click on the link below to read firsthand experiences and testimonials from past learners.



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