

About the CEEC

The Computing and Engineering Entrepreneurial Centre (CEEC) provides training and continuing education opportunities in the fields of Electrical Engineering, Electronics, Computing and Mechanical Engineering. It also serves as a vehicle for the administration of consultancy and research projects that are conducted by lecturers within the faculty of Engineering & Computing, under the Industrial Cell programme-(a scheme designed to present industrial design and research problems to students for solutions in the absence of industrial placement). What was formerly UTech Energy Centre is now identified as the Energy Unit, and its activities are now incorporated under the CEEC. The Energy Unit focuses on training, research and consultancy; with specific emphasis on energy use efficiency, and renewable energy technologies.

Currently the main focus of the CEEC is to enhance the human resource skills of the industrial and commercial sectors by education and training courses.

Areas in which courses are offered include:

- Computer Network Engineering
- Basic Computing
- Microcomputer Technology
- Digital Computer Technology
- Computer Programming
- Web Development
- AutoCAD
- Air Conditioning and Refrigeration
- Industrial Hydraulics
- Building Services Technologies
- Programmable Logic Controllers
- Electronics
- Electrical Licensing
- Instrumentation and Control
- Terotechnology (Engineering Maintenance)

These courses are scheduled based on demand.

Entry Requirements:

5-day Training for Energy Managers Certified Energy Managers (CEM)

Candidates must meet one of the following criteria:

- A four-year engineering degree and/or P.E., 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/client must be submitted prior to the end of the seminar.

For further information:
CEM Training Programme
**Computing & Engineering
Entrepreneurial Centre**
University of Technology, Jamaica
237 Old Hope Road,
Kingston 6, Jamaica

Tel: (876) 512-2243/970-1059

Email: jsee.jm@gmail.com

Application & Registration:

1. Seminar participants are encouraged to register in advance. The cost of registration is JMD \$3,000, which is non-refundable.
2. Application should be made on the prescribed form, which is available at the Centre.
3. Final payments should be made at least two weeks before commencement of the seminar. Payments are accepted in cash, debit/credit cards, or manager's cheques.

Cancellation

1. Programmes may be cancelled where enrolment is insufficient, in which case, a refund of a seminar fees will be made.
2. Student cancellation must be received one (1) week prior to the commencement of the seminar failing this the individual or company will be held responsible for the payment of fees.

Award

On successful completion of the programme, i.e. gaining a passing score of 704 points out of a maximum of 1040 points, participants will receive the international certification of energy managers, CEM.



**UNIVERSITY OF TECHNOLOGY,
JAMAICA**

CEEC

The Computing & Engineering
Entrepreneurial Centre

In association with

JSEE

The Jamaica Society of Energy Engineers

Presents a 5-day training:

Certified Energy Managers (CEM) Seminar

Cost: USD \$2,000.00



*"Technology Driven, Development
Bound"*

Certified Energy Managers Training Programme

GENERAL OBJECTIVE

The CEM programme seeks to promote the efficient use of energy, by means of training certified energy managers who may conduct energy audits and management for SMEs under the Development Bank of Jamaica-Petrocaribe Energy Fund for SMEs. This programme is aimed at persons who wish to be licensed as a Certified Energy Manager and to conduct routine energy audits both locally and internationally.

Seminar Date: **Date to be announced**

Registering Now!

Programme Structure

COURSES (offered in SI Unit)

Compulsory

- Energy Accounting and Economics
- Energy Audits and Instrumentation

Optional

- Electrical Systems
- HVAC Systems
- Motors and Drives
- Industrial Systems
- Building Envelope
- Cogeneration and CHP Systems
- Building Automation
- Control Systems
- Thermal Energy Storage Systems
- Lighting Systems
- Boiler and Steam Systems
- Maintenance
- Building Commissioning and Measurement & Verification

NOTE: Candidates must complete a minimum of eleven courses including those indicated as compulsory.

FREQUENTLY ASKED QUESTIONS

1. Q) Who is a Certified Energy Manager?

A) A Certified Energy Manager is a person who conducts energy audits and management by evaluating your energy demands. The energy manager may propose to lessen your energy demands by implementing energy efficient measures and devices.

2. Q) What are the benefits of becoming a Certified Energy Manager?

A) There are many benefits of becoming an Energy Manager, for instance, as a Certified Energy Manager you can conduct energy audits and management on behalf of the Government of Jamaica, you can work internationally and when you are a Certified Energy Manager you have a CEM extension to your name for example "John Brown., B.Eng., CEM.

3. Q) How can I become a Certified Energy Manager?

A) You can become a Certified Energy Manager by successfully completing the Certified Energy Managers Training Programme and passing the final examination i.e. with a minimum passing score of 704 points out of a maximum of 1040 points.

4. Q) How can I apply?

A) Simply fill out the CEM Application Form, pay the non-refundable registration fee of JMD \$3,000 and submit this form with your proof of payment to the CEEC. (Coming soon: applications and payments will be securely online)

5. Q) What role does the CEEC and JSEE play in this programme?

A) The CEEC is the organization that will provide the facility to train, develop and conduct affairs relating to energy management training. While the JSEE is the governing body for Energy Managers in Jamaica; their role is to proctor and mark examinations in conjunction with the AEE.

6. Q) Who is eligible for taking the seminar?

A) Anyone is eligible to take the seminar, however only persons who have meet the relevant years of experience working in the energy field will be eligible for certification. *A detailed requirement can be seen on the backside of this brochure.*

7. Q) How will my performance be evaluated?

A) At the end (final day) of the seminar, you will sit a 4 hour open book test which will be graded by the JSEE-AEE.

8. Q) Is there a non-refundable registration fee?

A) Yes, there is a non-refundable fee of JMD \$3,000 that should be paid when submitting the application form.

9. Q) What is the total cost for the course?

A) The programme cost is USD \$2,000 which includes licensing and examination fees, plus a JMD \$3,000 non-refundable registration fee.

10. Q) How will I be awarded?

After successfully completing the course the JSEE in conjunction with AEE will issue a certificate.

11. Q) What is the duration of the course?

A) The seminar will be scheduled to last 5-days.

12. Q) When is the exam?

A) The exam will be on the last day for the final four (4) hours of the seminar.

13. Q) Who will be grading my exams ?

A) The exam will be graded by the JSEE and AEE.

14. Q) I heard that the Association of Energy Engineers (AEE) is also offering this course. Why should I do it in Jamaica?

A) AEE is charging a seminar fee of USD \$1,795 and a certification & exam fee of USD \$200 in addition, you have to pay for transportation (airline tickets, meals and lodging). While JSEE is only charging USD \$2,000 plus a JMD \$3,000 non-refundable registration fee. This includes the seminar fee, certification & exam fee, training material, energy manager textbook and meal. Whether you choose to do the programme in Jamaica or the USA your certification is the same.