

# SUSTAINABLE ENERGY ENGINEERING [SEE]

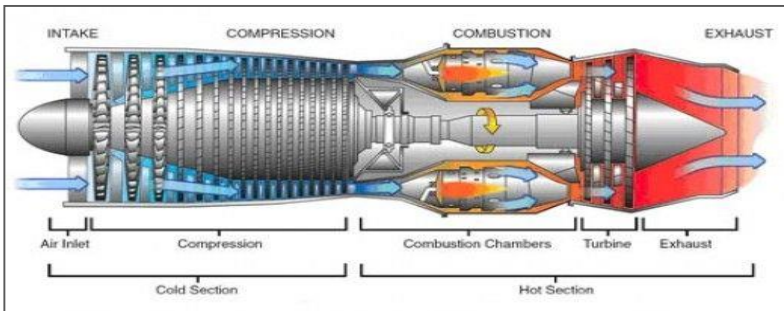
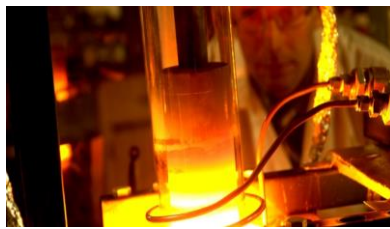
Bachelor Programs, Credit Hours System, Cairo University, Faculty of Engineering



The field of Sustainable Energy Engineering is the core foundation of the immediate future growth in Egypt and surrounding region. Egypt is on its way to become the regional energy hub. This would only be possible by the hands of a new generation of qualified engineers in the fields of energy generation from new and renewable resources.

## Key Features:

- A balanced choice of courses that qualifies a first class mechanical engineer with the basic understanding of related subjects in related fields in civil and electrical engineering to serve Mini, large and mega projects related to services and construction and infrastructure.
- A specialized emphasis on energy and energy related subjects that are presented in a gradual fashion through a chain of accumulated knowledge and expertise leading the consultancy firms and construction contractors in the whole region.
- Dependence upon various laboratory, computational and practical skills that allow for the appreciation of the importance of scientific physical basics, fundamentals and theory. Available unique laboratory facilities serving energy topics, simulators and numerical simulation are covered in this program.
- Field trips and practical training.



For more information, visit:

[eng.cu.edu.eg/en/credit-hour-system/](http://eng.cu.edu.eg/en/credit-hour-system/)

Cairo University, Faculty of Engineering, Giza, Arab Republic of Egypt.



## Program Objectives:

- To provide students with the understanding of fundamental knowledge prerequisite for the practice of, or for advanced today
- To provide the students with broad based professional education that covers the important current and developing issues in sustainable energy engineering and all related fields and applications, This is necessary for a productive career, and for being able to search and research in the spirit of continuing education in the field of sustainable energy engineering and allied areas
- To enable graduates to work not only in local markets new demand but also in regional (particularly, in the Arab and African regions) and international markets, acquiring logic thinking, and creativity.

### Sustainable Energy Engineers may work in:

- Construction and infrastructure projects (Electromechanical works).
- Power stations and petrochemical plants
- Consultancy Services Design, operation, and maintenance in several engineers discipline.
- Energy audit and environmental impact assessment.
- Improve the software skills that can help graduate to solve many practical problems
- Petrochemical industries.
- Safety and environmental works.