

MECHANICAL DESIGN ENGINEERING

Credit Hour System



Experience has shown that imported equipment could suffer unexpected failures during service. The "Mechanical Design Engineer" should be the one who could foresee potential areas of concern, especially in the long term, thus the one who could provide an expert opinion before acquiring such equipment.

Mechanical Design Engineering graduates should be capable of handling tasks related to product design and development. "Made in Egypt" parts and equipment ought to progressively take a fair share of the inventory, not only to save on initial cost, but also to provide the capability of providing fast, independent and inexpensive remedy of one's own faults.



Program Objectives



In addition to the general attributes of engineer, the Mechanical design engineer should be able to:

- Work with mechanical design and manufacturing systems.
- Use of mathematics, physical and engineering sciences, and systems analysis tools in components and machines and produce design and manufacture.
- Use different instruments appropriately and carryout experimental design, automatic data acquisition, data analysis, data reduction and interpretation, and data presentation, both orally and in the written form.
- Use the computer graphics for design, communication and visualization.
- Use and/or develop computer software, necessary for the design, manufacturing and management of industrial systems and projects.
- Analyze multidisciplinary mechanical, electrical, thermal and hydraulic systems.
- Lead or supervise a group of designers or technicians and other work force.

For more information :

Cairo University, Faculty of Engineering, Building 10 ,
Mechanical Design & Production Departement
Giza, EGYPT

Why MDE !!

Do you like drafting?

Are you creative enough?

Do you like Prototyping?

Do you like team work & Problem solving?

Then you are on the right track ..