ENSET
ECOLE NORMALE SUPÉRIEURE DE L'ENSEIGNEMENT TECHNIQUE DE MOHAMMEDIA
UNIVERSITÉ HASSAN II DE CASABLANCA

Engineering Cycle in : Electrical Engineering and Renewable Energies (FI-GEER)

Electrical Engineering Department
COORDINATOR OF THE PROGRAM
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CAREER OPPORTUNITIES AND INTEGRATION

Functions:
- Project manager for electrical installations,
- Test and commissioning engineer,
- Design office engineer,
- Research and development engineer,
- Maintenance and diagnostics manager,
- Project manager,
- Technical coordinator,
- Electrical engineer,
- Production, manufacturing line, planning and scheduling manager quality and methods.

etc.

Sector:
- Production industries,
- Design and development companies,
- Service and engineering companies.
- Industrial systems design and development companies,
- Transport and industrial equipment,
- Engineering services and technical studies,
- Transport equipment and industrial equipment,
- Bureau d'étude Ingénieries et Développement,
- Offices and semi-public bodies: ONEE, CDER, etc....
- Automotive industries,
- Mechatronics,
- Consulting firms, regional offices, National and international organisations
- Energy for the home,
- Research and development laboratories in the field of energy and energy efficiency, etc.

OBJECTIVES OF THE PROGRAM

The aim is to train multi-skilled engineers in electrical engineering who are capable of meeting the skill requirements of companies operating in the industrial field. These skills cover a broad spectrum of electrical engineering such as electronics, electrical engineering, automation, industrial computing and their applications in electrical and renewable energy systems. Graduates of this programme will therefore be able to work in various areas of electrical engineering, from the design of production processes to the control of distribution and the integration of renewable energies into the new generations of electrical energy distribution networks.

SKILLS ACQUIRED ON COMPLETION OF THE PROGRAM

- Development of a critical and analytical mind,
- Design of electrical installations,
- Mastery of renewable electrical energy production processes,
- Mastery of energy management and efficiency processes,
- Drawing up energy audit reports,
- Hybridisation and combination of renewable energy sources,
- Design of energy optimisation processes,
- Integration of optimisation and reliability aspects into system implementation,
- Mastery of electrical engineering concepts and techniques,
- Automation and control of an industrial process,
- Drawing up specifications for the installation of an electrical system,
- Mastery of optimisation technique and procedures,
- Implementation of automation tools and overall supervision of a production system,
- Implementation of real-time systems,
- Project management,
- Mastery of foreign languages.

ACCESS CONDITIONS :

- Candidates who have completed the two preparatory years of the engineering cycle,
- Candidates who have passed the national competitive entrance examination,
- Holders of the following diplomas (examination + competitive exam): DEUG, DUT, DEUST, DEUP, DEUT, BTS, DTS, In two consecutive years with at least a mention “Assez bien”.