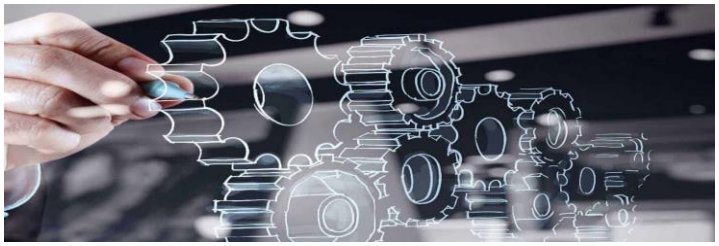
ENSET
ECOLE NORMALE SUPÉRIEURE DE L'ENSEIGNEMENT TECHNIQUE DE MOHAMMEDIA
UNIVERSITÉ HASSAN II DE CASABLANCA

Engineering Cycle in : Industrial Engineering and Logistics (FI-GIL)

Mechanical Engineering Department
COORDINATOR OF THE PROGRAM
PR. El houssine ECH-CHHIBAT
E-MAIL : ech-chhibat@enset-media.ac.ma



CAREER OPPORTUNITIES AND INTEGRATION

Functions:
Design engineer, Project manager, Development engineer,
Analyser of all types of problem, Production and maintenance solutions design engineer, industrial systems architecture engineer, data analysis engineer to help decision-making, dashboard development engineer for industrial systems,
Quality engineer,
Safety Engineer, Consultant,
Teacher, Researcher, ...

1. Director:
- Logistics
- production
- maintenance department
- engineering
- Plant
- purchasing....

2. Responsible for:
- production,
- a production line,
- planning and scheduling,
- stock management,
- quality control
- maintenance,
- methods,
- health and safety.

3. Engineer:
- Process/methods engineer,
- Quality engineer,
- Design office engineer,
- Methods engineer.

Sector:
Public sector:
Ministries,
Public administrations,
Higher Education institutions, etc.
Semi-public sector:
Offices, Régies, ...
Private sector:
Consultancy firms,
Industry,
Production companies,
Industrial solutions design and development companies, Decision systems design and development companies.

OBJECTIVES OF THE PROGRAM

The aim of the Industrial Engineering and Logistics program is to prepare students simultaneously to design and implement a global supply chain and to operate in project mode in order to master all types of cross-functional projects in companies' functional organisations. Logistics is a service activity whose purpose is to manage the flux of materials by making available and managing resources corresponding to needs, economic conditions and for a given quality of service, under satisfactory conditions of safety and security.

Most often, "logistics" is simply associated with distribution and transport, warehouses, platforms, etc. This is downstream logistics. But the goods, finished and ready for sale, stored and transported that a manufacturer has produced.... This is internal logistics. And to produce, raw materials have to be bought and supplied.... This is upstream logistics.

Logistics is therefore an operational function serving processes controlled by other functions, and is responsible for transport, storage and handling.

The supply chain, or global logistics, is a concept whose aim is to control a process that cuts across company functions and the companies themselves. The challenges of globalisation no longer pit company against company, but supply chain against supply chain.

SKILLS ACQUIRED ON COMPLETION OF THE PROGRAM

Graduates of the Industrial Engineering and Logistics must be able to :

- Analyse all types of problems related to industrial and logistics engineering,
- Design and develop an information system,
- Administer and secure an information system,
- Analyse system data to assist decision-making,
- Developing a systems dashboard,
- Studying all types of system and proposing appropriate, optimal and high-quality solutions,
- Drawing up a strategic master plan,
- Aligning a strategy with a company's business strategy...

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”.