

Mechanical Engineering Department
COORDINATOR OF THE PROGRAM
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CAREER OPPORTUNITIES AND INTEGRATION

GMSI engineers, with their generalist training in mechanical engineering, can work in a variety of fields, including:

- the automotive industry
- The aeronautics industry;
- Mechanical design and production;
- Metallurgy;
- Plastics
- Food industry;
- Public works and equipment;
- Design offices and consultancy;
- Methods and industrialisation ;
- Quality ;
- Research and development ;
- ...

OBJECTIVES OF THE PROGRAM

The main objective of the Mechanical Engineering of Industrial Systems program at ENSET Mohammedia is to train engineers with a solid grounding in the various fields of mechanical engineering, in particular: automation of industrial systems, mechanical construction and manufacturing. Digital simulation, Computer-aided design and manufacturing.

Mechanical engineers must be able to deal with the technical and scientific aspects of studying, developing, sizing, designing, manufacturing and industrialising a mechanical system. In addition to these technical skills, the engineer must be a good communicator and a good manager, able to coordinate and manage teams.

To achieve these objectives, the course is structured around four main areas:

- Basic scientific and technical modules:
- Specialisation modules in mechanical engineering
- Economics and management modules
- Language, communication and ICT modules.

SKILLS ACQUIRED ON COMPLETION OF THE PROGRAM

- Automate and supervise the operation of industrial systems;
- Design and study various mechanical systems
- Use calculation software to dimension structures (metal, plastic, composite);
- Master digital analysis and simulation methods in mechanical engineering.
- Design new products
- Optimise the product life cycle at all stages of development: design office, methods, industrialisation, production, quality control, maintenance, etc.
- Able to manage projects, lead teams and communicate both internally and externally.
- Able to understand industrial activity in its entirety, including its technical, technological, economic and social dimensions.

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): DUT, DEUST, DEUP, DEUT, BTS, DTS, In two consecutive years with at least a mention "Assez bien".