



BEng GMP [BUT GMP]

IUT-NIMES.FR

MECHANICAL ENGINEERING AND PRODUCTION

THE DEGREE

- Integrated 3-year course
- Specialisation to be chosen at the end of the 1st year
- Skills-based approach : 4 core professional skills developed throughout the course and a further specific skill related to the chosen specialisation
- Training structured around immersion in professional situations

TRAINING OBJECTIVES

The BEng in Mechanical and Production Engineering trains intermediate-level managers for industry, equipping them with analytical and synthesis skills, along with a real industrial vision.

BEng MPE graduates can design and improve products. They are skilled in the production of manufactured goods and possess a solid understanding of both manufacturing processes and industrial production management.

They have the knowledge to work at every stage of a product's life cycle, from studying the client's expressed needs to maintenance.

ORGANISATION

- Start date : september
- Duration : three years
- Total hours : 2,000 hours
- Supervised project hours : 600 hours
- Internship : minimum of 22 weeks over the three years
- Work-study option : available in the third year
- Assessment method : continuous assessment

CORE CURRICULUM // *From the first to the third year*

KEY SKILLS

- Defining industrial, technical and economic requirements
- Determining conceptual solutions
- Implementing the chosen technical solution
- Managing the life cycle of products and production systems

MAIN SUBJECTS

- Mechanical modelling and construction
- Structural dimensioning/sizing
- Materials science
- Engineering tools
- Methods and production
- Industrial production organisation
- Metrology and control
- Electricity, automation, and robotics
- IT tools
- Applied Mathematics
- Communication and english

2 SPECIALISATION OPTIONS // *Second and third years*

Industrial Process Management

Managing an industrial project in a context of responsibility : leading working groups and providing an interface between the company's sectors throughout the life cycle of products.

Innovation for Industry

Propose innovative solutions to industrial issues : master the tools and approaches of creativity, innovation and intellectual property.

CAREER OPPORTUNITIES

PROFESSIONS

- Design office technician
- Quality technician
- Industrial maintenance technician
- Technical project manager
- Production line operator
- Industrialisation methods technician
- Industrial and logistics management technician
- Research and development technician

SECTORS

- Transport industry
- Food industry
- Industrial systems production
- Robotics
- Innovative technologies
- Military sector
- Energy sector
- Medical sector
- Agricultural systems
- Equipment manufacturers for industry

FURTHER STUDIES

Students wishing to specialise or broaden their training can apply to :

- Engineering schools
- Master's degree courses



COOPERATION AND INTERNATIONAL RELATIONS OFFICE
iutn-international@umontpellier.fr

IUT DE NÎMES - 8 rue Jules RAIMU - 30907 NÎMES cedex 2 - IUT-NÎMES.FR