

University Bachelor of Technology (B.U.T.)

Industrial Engineering and Maintenance (GIM)

The **Bachelor of Technology (B.U.T.) in Industrial Engineering and Maintenance (GIM)** trains students to become middle managers with renowned skills to install, maintain in operational conditions, secure and improve multi-technical systems and to take part in the technical and human resources management in a department after a three-year course.

Graduates are able to intervene on multi-technical systems (such as electrical, mechanical, thermal ones) while abiding by the rules of people, goods safety and environment protection. Competent to communicate and work in a team, holders of a B.U.T. GIM participate in dysfunctions analysis and the implementation of corrective, preventive or improving actions together with department management. They also contribute to the installation of new equipment or their compliance upgrade with the current regulation, the monitoring of relevant indicators as well as the integration of innovative technologies to improve the systems performance.

Study tracks

- The «**Multi-technical systems Engineering**» (ISP) **study track** is focused on the analysis and the improvement of system running in order to optimise performances and on the project management to set up a multi-technical system considering human, material and financial resources.
- The «**Management, Methods and Innovative maintenance**» (3MI) **study track** is centred on the reliability, the safety and the optimal functioning of a multi-technical system, on the organisation of monitoring and supervising actions and on the management and leadership regarding intervention teams.

Career prospects :

Graduates are able to work in any kind of activity fields such as manufacturing, aerospace, food industry, pharmaceutical, chemical, para-chemical, textile or plastics processing industries, transport and logistics, service business, research and consulting, services within big or small companies. Holders of a B.U.T. GIM can integrate departments such as maintenance, operations, production, quality, design or control to occupy technical, sales representative or management positions.

Entry requirements

The B.U.T. GIM is open to high school graduates from **general or technological backgrounds** or to those changing study path. Admission is based upon examination of academic records. When considering applications, some departments might require an interview. The B.U.T. can also be prepared within the Lifelong education scheme or on a vocational basis (apprenticeship training or work-based learning). The diploma can also be delivered on Accreditation of Prior Experiential Learning (APEL).

Skills

This training course aims to develop five core skills for the students:

- **Maintaining**
- **Improving**
- **Installing**
- **Managing**
- **Securing**

Graduates are able to **keep a multi-technical system in operational conditions**, improve it, organize its installation, secure its functioning and contribute to the management of the technical and human resources in the department. They can **exploit and analyse** all the data they collect on the systems running while acting **responsibly** and **meeting applicable standards**. They are competent to report their activities abiding by the company organisation.

B.U.T. Industrial Engineering & Maintenance in France

