

# Faculty: CHEMISTRY, CHEMICAL ENGINEERING AND PROCESSES



**Acronym:** CHIGEN

**Option:** GENERAL CHEMISTRY

**Level:** BTS

**Prerequisites:** Scientific series or equivalent level

**Opportunities:**

- Research and test technician on pilot plants (development of new processes);
- Manufacturing manager in traditional chemistry (mineral and organic), fine chemistry, pharmacy, cosmetics, refining, petroleum chemistry, agrifood, bio-industries, thermal;
- Senior manufacturing technician in the pharmaceutical industry

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- Responsible for the environment (treatment of water, air, waste, etc.);
  - Engineer (designer in design office, assistance and advice ...);
  - Technical-commercial.

## **Description**

This specialty aims to train senior technicians capable of various and multiple trades relating to the application of chemistry to industry. They develop knowledge concerning the progress, sizing and operating conditions which must ensure the management of industrial chemical reactions throughout their progress.

## **SOUGHT-AFTER SKILLS :**

### **Generic skills :**

- Work independently, collaborate as a team;
- Analyze, synthesize a professional document (French, English);
- Communicate orally, in writing, in business or outside (French, English);
- Participate in / Lead a project management process;
- Know and use professional and institutional networks in the chemical sectors.

### **specific skills :**

- Master the analytical tools applied to processes;
- Understand development problems: from the chemical act to production;
- Size the devices for physical, chemical or biological transformations;
- Analyze, optimize and control processes;
- Take into account aspects of quality, risk management, safety, sustainable development.

