

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

# Health, Safety and Environment (HSE)

The **Bachelor of Technology in Health, Safety and Environment: hazard science and occupational, technological and environmental risks management** trains experts in risk management. They are able to identify the origins of dangers and the related hazards with cross-disciplinary and cross-sectoral methodologies, deploying analysis and risk management on occupational Safety and Health, prevention of industrial risk and natural or societal risk.

## Description of the training course

• Because graduates are proficient with risks in general, a **single study track** is available for this training course: **Hazard science and professional, technological and environmental risks management.**

Taking into account the skills required for good tasks and activity completion, the training course is fundamentally multidisciplinary and based on:

- **good scientific and technological knowledge** to properly apprehend physical, chemical, biological and organizational phenomena, essential to identify dangers and risk evaluations, then to choose the proper ways of prevention and protection, according to technological progress and socio-economic context, taking human, material and financial issues linked to potential accident circumstances into consideration,

- **a good mastery of legal knowledge and understanding of the economic dimension of risk management**, in order to offer to hierarchy and competent bodies the best approach related to the regulatory context of companies or administrations,

- **awareness of the human dimension of the occupation and good skills of communication.** The graduate of Bachelor of Technology HSE has to be able to develop working relationship with many audiences (head teachers, executives, operators, outside companies, service officers, communities...) in order to advise, convince, train and raise awareness among HSE thematic.

The graduate of Bachelor of Technology HSE works in many companies from all sectors and administrations. He or she could work in consulting firms, inspection bodies and public competent authorities in relation to the prevention of risk and protection of populations too.

### Career prospects:

- HSE Officer: Safety, Security and Environment manager in companies or communities
- HSE team leader in companies or communities
- Middle management in charge of QHSSE in companies or communities

- Safety controller in Social Security prevention services
- Inspector in occupational risk and prevention
- HSE manager in construction
- Inspector in compliance upgrade (installation, premises)
- Organiser of Safety and Health protection (SPS)
- Policy officer QSE – Quality, Safety and Environment in construction

## Skills

Thanks to this training course, five professional skills are developed:

- **Occupational, technological, environmental risks analysis (or assessment)**
- **Occupational, technological, environmental risks management**
- **Emergencies and crisis**
- **Training facilitation**
- **Quality Health Safety and Environment Management**

## Entry Requirements

This degree program is open to high school graduates coming from general or technological backgrounds and students wishing to change degree programme.

The B.U.T. HSE can also be prepared within the Lifelong education scheme or in apprenticeship (apprenticeship training or work-based learning). The diploma can also be delivered on Accreditation of Prior Experiential Learning (APEL).

# B.U.T. Health, Safety & Environment in France

