Industrial Engineering

Optimising systems and services.

Introduction

UTT graduates majoring in Industrial Engineering (GI) design, organise and implement various industrial processes and associate logistics. They ensure the transition to so-called ‘Factories of the Future’. They plan production, optimize flow of matter and goods and guarantee safe operations of the installations and services. They must, moreover, be capable of controlling production costs, improving performance levels and interchanging with the various system agents (clients, suppliers, users and consumers …).

UTT-GI offers 3 specialties focusing on logistics, production and system and service security measures.

- **Internal logistics and production (LIP)** : ensuring optimised production, ranging from design of industrial systems to operational real-time management (cf. the ‘Industrie 4.0’ incentive).
- **External logistics and transportation (LET)** : improving performance levels in a logistics chain, ranging from supply procurement to recycling, including warehouse storage factors.
- **Reliability, availability, maintenance and safety (RAMS)** : analysing risk factors and monitoring systems to establish diagnoses and ensure prevention of industrial accidents.

Numerous professional opportunities...

- Production, quality assessment (QA), maintenance
- Procurement, supplies and distribution
- Industrial Intelligence (II)
- Environmental analysis
- Risk factors and operational security measures
- Consulting and EDP upgrading and development

... and a variety of sectors

- Logistics, transportation, mass distribution,
- Aeronautics and railroads
- Automobile
- Agro-food
- Luxury goods, cosmetics
- SSII
- Research projects and consulting

Audience

Prerequisites for enrolment

- Bac
- Bac +1
- Bac +2

Internship(s)

Yes, Compulsory

Rhythm

- Full time
- With blocked release periods
  - Professionalization Contract

Information

Université de Technologie de Troyes
Service des admissions et de la vie étudiante
12 rue Marie Curie, CS 42060
10004 Troyes cedex

admissions@utt.fr
03 25 71 80 35

https://www.utt.fr/formations/diplome-d-ingenieur/candidater-en-cursus-ingenieur/

Stakes



The UTT is authorised by the CTI to deliver the engineering degree.

More information here

What's next ?

Level of education obtained after completion

Level of education obtained after completion

- Bac +5

Further studies

- Double degree at the UTT;
- international double degree: École de technologie supérieure de Montréal (Canada), National Technological University of Buenos Aires (Argentina);
- possibility of setting up a break for registration in another course (example: logistics master in Dauphine).

Program

Generic courses

- Mathematical tools: probabilities, statistics, optimisation, operational research (OR)
- Operational security
- Corporate strategy
- Flow modelling (virtual reality)
- Robotics
- Project management
- Computer sciences and EDP
- Quality assessment (QA)