

Designing tomorrow's products today.

## Introduction

UTT graduates majoring in Mechanical Engineering (GM) are capable – thereby making optimum use of new technologies, of the emergence of new materials that take into account ever-increasing environmental constraints - of designing, assembling and manufacturing “tomorrow's” mechanical products. They are highly proficient in pluridisciplinary skills (mechanical engineering sciences, materials, automation, computer sciences and their applications ...) as required to implement complex system components.

## UTT-GM offers 3 mechanical engineering specialties ranging from virtual to real

- **Designing and industrialising mechanical engineering systems, taking the environment into account (CeISME)** : for the development of innovative mechatronic systems, controlling the entire product life cycle from design to industrialisation and finally to end-of-life recycling/disposal ;
- **Digital management of industrial products (MDPI)**, managing a digital transformation process in an industrial sector and participating in the development of EDP solutions to represent and manage both products and infrastructures throughout their life-cycle ;
- **Digital modelling in mechanical engineering (SNM)** : behaviour modelling and virtual, structural simulation (static and crash) and shaping processes.

## Professional opportunities in a variety of sectors

- Aerospace
- Nautical
- Automobile
- Railroads
- Materials and metallurgy
- Mechanical engineering industries
- Computer sciences and applications, product lifecycle management (PLM)

## Stakes

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

[More information here](https://www.utt.fr/)

## Audience

### Prerequisites for enrolment

- Bac
- Bac +1
- Bac +2

### Internship(s)

Yes, Compulsory

### Rhythm

- Full time
- With blocked release periods
  - Professionalization Contract

## Information

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[https://www.utt.fr/formations/  
diplome-d-ingenieur/candidater-  
en-cursus-ingenieur/](https://www.utt.fr/formations/diplome-d-ingenieur/candidater-en-cursus-ingenieur/)

## What's next ?

### Level of education obtained after completion

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- Bac +5

### Further studies

- PhD studies

# Program

## Generic courses

- Mechanical engineering design
- Industrialisation
- Digital modelling
- CAD and 3D modelling
- Fabrication
- Dimensioning
- Mechatronics
- Product lifecycle management (PLM) and product data management (PDM)
- Solid state thermomechanics
- Materials
- Complex project management