

# Materials Science and Technology

<https://www.utt.fr/>

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Université de technologie de Troyes

## Audience

### Prerequisites for enrolment

- Bac
- Bac +1
- Bac +2

## Internship(s)

Yes, Compulsory

## Rhythm

- Full time
- With blocked release periods

## 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](mailto:admissions@utt.fr)

03 25 71 80 35

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

Controlling matter.

## Introduction

UTT graduates majoring in Materials Science and Technology (MTE) benefit from a pluridisciplinary training in scientific, technological, economic and environmental fields. They play a key role at service interfaces. Their mission consists of dimensioning, characterizing, selecting and implementing materials, with an overarching approach to comply with industrial and social constraints.

## UTT-MTE offers 3 specialties focusing on processing matter, ranging from procurement/purchasing to transformation and recycling

- **Economics of materials and the environment (EME)** : implementing eco-design, material life cycle analysis and recycling to prioritise environment compliance for manufacturing processes.
- **Material and component technology and trade (TCMC)** : controlling choice and use of materials in a given economic environment taking into account technological and economic constraints.
- **Material transformation and quality assessment (TQM)** : developing innovative materials (composites, nanomaterials, surface treatment compounds) thanks to proficiency in regard to physico-chemical properties of materials.

## Professional opportunities in a variety of sectors

- Aerospace
- Automobile
- Nuclear power
- Life cycle analysis, environmental compliance certification
- Construction
- Metallurgy, plasturgy
- Material procurement

## 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

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- Bac +5

### Further studies

- Double degree at the UTT;
- Phd studies

## Program

### Generic courses

- Physico-chemical properties of materials
- Material characterisation and processes
- Project management and social sciences
- The environment
- Economics
- Transformation