

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 to production.

- **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, platurgy
- Material procurement

Stakes



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

[More information here](#)

Audience

Prerequisites for enrolment

- Bac
- Bac +1
- Bac +2

Internship(s)

Yes, Compulsory

Rhythm

- Full time
- With blocked release periods

Information

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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

Level of education obtained after completion

- 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