Materials Science and Technology

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

Level of education obtained after completion

• Bac +5

Further studies

• Double degree at the UTT;
• Phd studies
programme

Generic courses

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