

UNIVERSITÉ DE TECHNOLOGIE DE COMPIÈGNE

UTC

International relations

# The first University of Technology of France

Education

Technological research

Innovation

Global



donnons un sens à l'innovation

# UTC, a successful model...

## ... for interaction with society and industry

The University of Technology of Compiègne (UTC) is a public higher education institution established in 1972 that combines all the assets and advantages of a University with those of an engineering "Grande Ecole" (France's top ranking engineering schools).

UTC's main missions are **education, research** and **transfer of technology**. It is well integrated within the European system of higher education and it has pursued, since its creation, an ambitious international policy.

5025  
matriculated  
student  
engineers

UTC interacts with society and industry by anticipating the research's requirements of companies and by facilitating the professional insertion of its students, thanks to its educational values based on students' autonomy and its interdisciplinary research.

*The UTC model has  
been duplicated*



in France in the cities of Troyes (UTT) and Belfort-Montbéliard (UTBM) and abroad with 2 campus in Shanghai (China) and Viña del Mar (Chili)

## ... by preparing engineers

UTC's objectives are **to train students who will manage successfully the interactions between technology, human and society** in a globally competitive environment while at the same time making sustainable development a priority to guarantee excellent thematic research geared towards the issues of our environment and supported by a collective commitment to interdisciplinary research. UTC education programs will give students :

- advanced skills to handle the interactions between Mankind and Technology,
- an international exposure with an intercultural approach,
- the capacity to pilot innovative, complex projects.

21000  
UTC  
graduate  
alumni

## ... for international recognition

Research and innovation programs of UTC have been attributed an exceptionally high rating by international juries and French Government committees :

3 innovation thematics that are handled through eco-design and man-system technologies :

- **Bio-inspired technologies** and the **bio-economy**,
- **Clean, safe, integrated 'smart' transportation**,
- **Health-oriented engineering**.

2 world class competitiveness poles (clusters) :

- **i-Trans**, addressing questions of sustainable transportation (rail, automobile, multimodal, freight and passenger traffic),
- **The IAR Pole (Industry and Agro-Resources)**, where ongoing biotechnological studies focus on making use of whole plant crops (e.g., the projected bio-fuel refinery) for industrial and non-foodstuff applications.

8 "Investments for the future" projects :

- an 'excellence' initiative (IDEX): SUPER with its partners at **Sorbonne University Cluster**
- an Institute for Energy Transition (ITE): PIVERT, focusing on **plant chemistry**,
- an Institute for Technological Research (IRT): RAILENIUM, specialized in **rail-road transportation systems**,
  - an 'excellence' laboratory (Labex): MS2T devoted to **system of systems control**,
  - two 'excellence' labs equipment facilities (Equipex): Figures, for **facial and maxillary reconstruction surgery** and Robotex for **robot engineering**,
- a Technology Transfer Accelerator company (SATT): LUTECH, a **filtering portal for innovation-intensive projects**,
- an 'excellence' initiative in Innovative training (IDEFI): InnovENT-E, targeting higher education and SMEs, for the purpose of **assisting in export and innovation ventures**.



# UTC strategic alliance : Sorbonne University, the innovative education and research for the 21<sup>st</sup> Century

Seven leading French higher education establishments and four national research organizations have joined together to form the new Sorbonne University group. A successor to the historic Sorbonne, it is one of the most comprehensive university centers in France.

This university cluster provides higher education and research in economics, humanities, business and administration, science, medicine, and technology. By bringing together the best talents in a wide array of disciplines, Sorbonne University offers new transversal academic programs and scientific expertise.

58 000  
students

10 000  
international  
students

## International Partnerships

Sorbonne University has a broad network of partnerships worldwide and focuses its international action on strategic alliances in targeted regions: Europe, India, China, Brazil, South Africa and the United States, as well as building on established alliances at its international campuses in Singapore and Abu Dhabi.

Since its creation, Sorbonne University has established milestone partnerships such as the CAPES chairs in the Brazilian exchange program and a strategic alliance agreement with the Harbin Institute of Technology (China).

## Best talents in their disciplines

### Member institutions Sorbonne University

- Pierre & Marie Curie University (UPMC), the largest university in France in science, medicine and engineering,
- Paris-Sorbonne University, the French first university in humanities,
- University of Technology of Compiègne (UTC), the first school to post-baccalaureate general engineering in France,
- INSEAD Business School, one of the leading business schools in the world,
- National Museum of Natural History (MNHN), a unique locus for expertise in the field of natural sciences and humanities,
- International Center for Pedagogical Studies (Ciep), reference public operator for international cooperation in education,
- Paris Boulogne-Billancourt Arts Education Center (PSPBB), an excellent training establishment in the performing arts.

### Four leading research organizations

- French National Centre for Scientific Research (CNRS),
- French Institute of Health and Medical Research (INSERM),
- Institute of Research for Development (IRD),
- French Institute for Research in Computer Science and Automation (INRIA).

7 700  
researchers  
and professor-  
researchers





## The UTC Innovation Centre

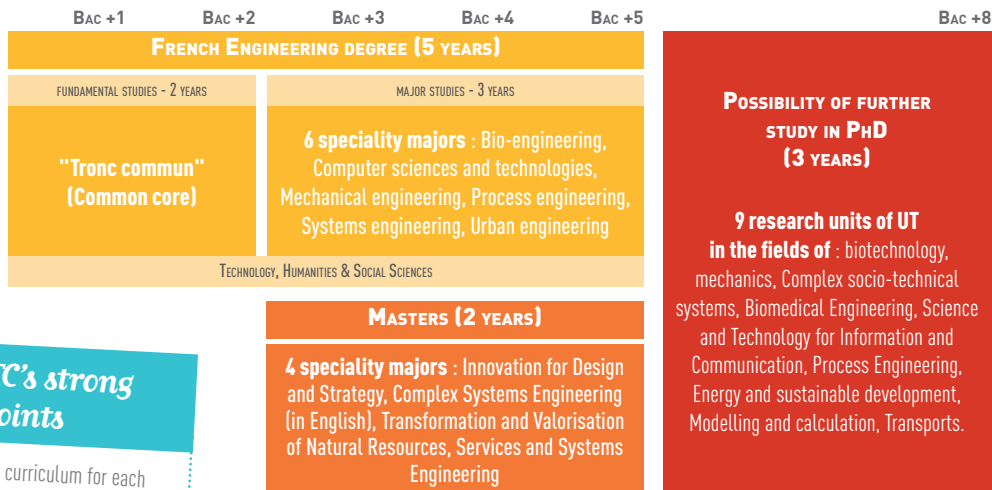
is organised around technological platforms, 'FabLabs', creativity inducing rooms, where ideas come from many parts and where they mature through invention into market-ready innovations.



## A hub totally devoted to innovation

UTC's unique **Daniel Thomas Innovation Centre** welcomes projects, and those who propose them, viz., UTC's research scientist lecturers, students, personnel or persons from outside academic circles who collaborate with the UTC laboratories and benefit from territorial skills: INPI, BPI, the "Entreprendre" network, moving from "the idea to the product".

## An innovative academic program



### The UTC's strong points

- custom-made curriculum for each student
- credit course packages in English
- training in technological research methods
- project workshops/problem solving approaches
- use of IT as educational tools
- specific program for top level athletes
- a professionalizing post-graduate school
- 14 months of internship in industry
- 7 foreign languages courses offered

**The UTC prepares students to adapt to a new working environment while developing team work, leadership and communication skills.** Studying at the UTC also means the acquisition of working methods, tools and skills.

Innovative pedagogical principles and methods help students to design their own curriculum and to carry out their career dreams.

Each academic department has designed a coherent package of credit courses in English to enable non French speaking international students to undertake a period of study at the UTC and to obtain credits. This is offered to "exchange and degree seeking students" both at the standard French engineering degree and the Master's degree.

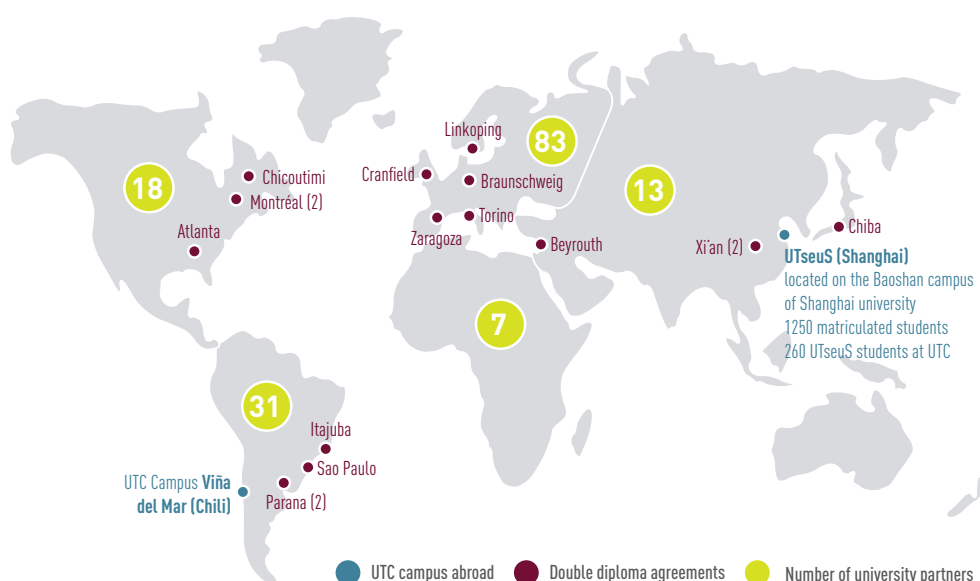
# A rich international scene

Ever since UTC was created in 1972, international relations and activities have been at the core of the University's development programme. As of the early 2000s, UTC has committed itself to an ambitious internationalization strategy, based on institutionally founding branch campuses in various, carefully chosen regions of the world.

16 %  
of the UTC  
graduates find  
a professional  
posting abroad

20%  
foreign  
students at  
UTC

The general objective assigned to the offspring units is to deploy and enhance the missions of the French Universities of Technology, building up inter-cultural experiments, absolutely necessary to the preparation of today's engineers and PhDs, becoming, as they will, skilled professionals capable of adapting themselves to a multitude of environments and culture backgrounds.



## An Innovative International School

Open to English speakers, there are 3 different modules:

**Laboratory placements in bioeconomy, intelligent mobility or health Technologies :** organized between mid-May and end of July, this module aims at introducing students to research,

**Intensive French language and interculturality courses:** organized in February, July and August, each course is composed of 80 hours of French language courses along for weeks,

**Specific seminars in between science and culture** organized the two last weeks of July:

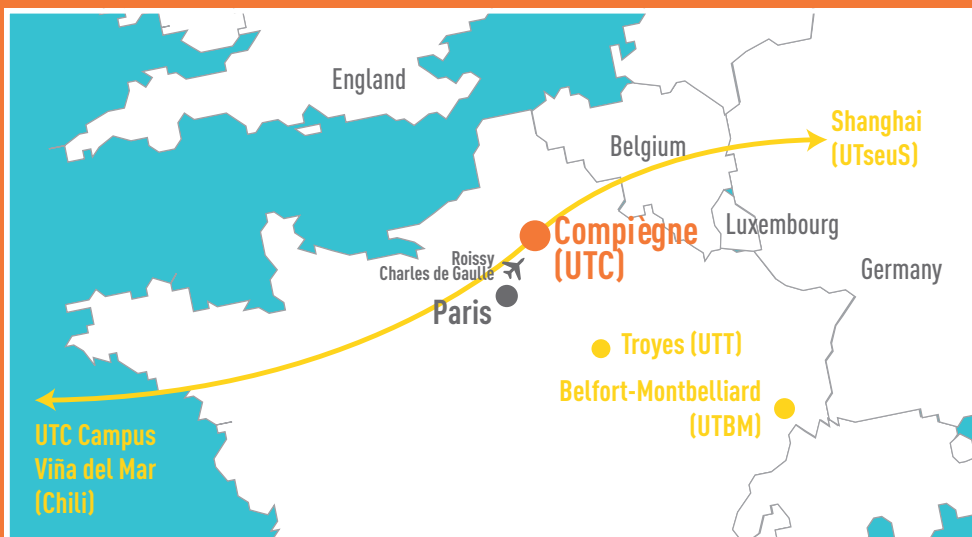
- A module "Culinary Science for Tastier, Healthier Food"
- A module "Creative Interaction for Dance, Music, Painting"

For each module, technical and cultural excursions are organized to discover the Compiègne surroundings and Paris.

### Exchange opportunities



- one-semester course,
- one-semester course + one-semester internship,
- laboratory projects,
- summer/winter schools,
- double diploma programs.



## A university campus in the city and a city in the forest

Students, administrative and teaching staff enjoy a city, Compiègne, with its exceptional environment and enjoyable life-style :

- campus is in the historic city centre, 45 min. from Paris by motorway or by train,
- in the midst of one of France's largest forests (15 000 ha of trees and 1 000 km of forest trail-paths),
- a highly diverse cultural offer, the Imperial Theatre and the Jean Legendre culture centre,
- very active student associations (about 110) in all sorts of activities and piloted by the students,
- castle of Pierrefonds, castle of Chantilly, ...



[www.utc.fr](http://www.utc.fr)

Université de Technologie de Compiègne  
rue du docteur Schweitzer  
CS 60319  
60203 Compiègne Cedex France



webtv.utc.fr • interactions.utc.fr



Design/realization: UTC - PR & Communications Directorate

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