

TRAINING TOMORROW'S ENGINEERS



› WELCOME TO TSE

An integral part of the Université Jean Monnet in Saint-Etienne and an associate member of the Institut Mines-Télécom, TSE trains around 750 students engineers in the field of new and emerging technologies. Depending on the program followed, students can combine electronics, photonics, telecommunications, networks, imaging, computer vision and computer science.



ACTIVITIES FOR INTERNATIONAL STUDENTS



Erasmus Days: a time to introduce Erasmus Partners and exchangers

Jeunes Ambassadeurs: a program of coaching between a local business person and an international student

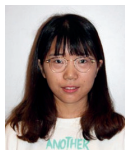


Welcome week: a day of events to wish our international students a warm welcome (September)



Gagastronome: a family from Saint-Etienne invites an international student for a meal in their home

WHAT THE STUDENTS SAY



YUEMING YANG (GRADUATE 2020)
CHINA

"During my three years at Télécom Saint-Etienne not only did I acquire knowledge, I also grew up as a person. At the beginning we were little more than teenagers and we couldn't speak French fluently. We needed help from our classmates to understand. By the third year our language level had improved and we were able to play an important role in the projects we did with our classmates."

At first the number of exams and strange courses surprised us. As time went by, we understood that lab work and hands-on training made learning much easier. At the same time our extracurricular activities, such as the celebration of the Chinese New Year, made us feel to be a real part of the school community."

During our stay in France we were also able to visit Morocco, Germany, Italy, Finland and lots of other places. To cut a long story short, living and studying at Télécom Saint-Etienne is an unforgettable experience."



FATIMA EZZAHRAE ERRAM
MOROCCO

"As a double degree student at ENSIAS in Morocco, I chose TSE in Saint-Étienne, specializing in computer imaging. This experience allowed me to immerse myself in a new and fascinating culture, while making enriching friendships. The imaging courses were captivating and awakened in me a keen interest in research in this field. Saint-Étienne welcomed me warmly, offering an environment where it's easy to adapt and flourish."



HAJAR M'BARKICHINA
MOROCCO

"My double degree course at Télécom Saint-Étienne, with a main specialization in electronics and a complementary focus on imaging, was an extremely enriching experience. The school offers a top-quality academic curriculum, with an emphasis on practical, in-depth electronics courses. These courses were a real immersion in fundamental concepts and advanced applications, with highly qualified teachers making these complex subjects accessible. Practical work gave me the opportunity to apply this knowledge in a concrete way."

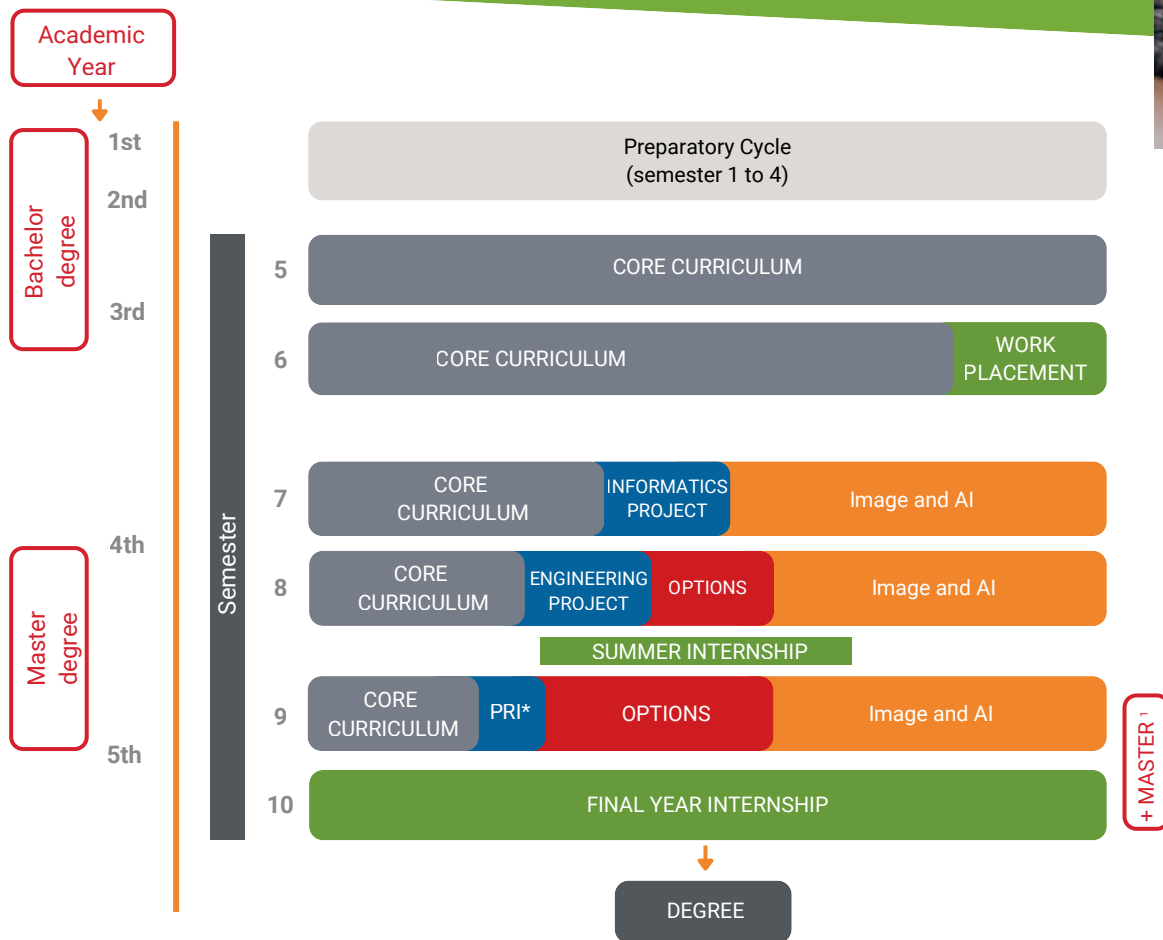
This double degree experience at Télécom Saint-Étienne was decisive for the development of cutting-edge expertise in electronics, while exploring exciting synergies between this field and that of imaging. It has undeniably influenced my professional vision, equipping me with essential tools to tackle future challenges in these constantly evolving fields. constantly evolving fields."



LINDA BRUNELLI
ITALY

"Télécom Saint-Etienne is such a little but dynamic school, with a good choice of classes in different fields. Students are required to do different internships and to develop a large number of projects, some of them in partnership with different companies, thus leading students to experience the real world of work and to build up a solid and useful background."

> ORGANIZATION OF STUDIES



*Research and Innovation Project

Semester 8

Image & AI

EXPERTISE 1: Image Science (11 ECTS)

Advanced image analysis (39%)

Image description (39%)

Image and Machine Learning Project (22%)

EXPERTISE 2: Data Science (9 ECTS)

Algorithms for data science (14%)

Machine learning (28%)

Advanced Deep Learning (58%)

French courses (3 ECTS)

Engineering project (7 ECTS)

Track Summary: 11 ECTS + 9 ECTS + 10 ECTS = 30 ECTS

5th year: additional options can be chosen including a Master's Degree

Semester 9

Image & AI

EXPERTISE 1: Image Science (8 ECTS)

Video (26%)

3D perception (45%)

Image and Machine Learning Project (29%)

EXPERTISE 2: Data Science (6 ECTS)

Machine Learning for Complex Data (40%)

Generative Models (40%)

Advanced Computing for Machine Learning (20%)

EXPERTISE 3: Advanced Topics in Imaging (9 ECTS)

Medical Imaging (21%)

Markovian models (16%)

Deconvolution (18%)

Restoration (10%)

Initiation to research (14%)

Inter-disciplinary Project (21%)

French courses (3 ECTS)

Research and Innovation Project (4 ECTS)

Track Summary: 8 ECTS + 6 ECTS + 9 ECTS + 7 ECTS = 30 ECTS

› MORE INFORMATION



Télécom Saint-Etienne works with 3 laboratories:

- **Hubert Curien Lab** (Mixed Research Unit 5516 UJM-CNRS)

LABEX (Laboratory of Excellence National label): Science and Engineering of Surfaces and Interfaces

EQUIPEX (Equipment of Excellence National label): Manutech-USD Ultra-Fast Surface Design

- **The Camille Jordan Institute:** Research Department in Mathematics
- **Elico:** Research Department in Communication



APPLICATION DEADLINES

Winter semester or full year: April

Spring semester: October

ACADEMIC CALENDAR

2nd year

1st semester: September - February
2nd semester February - June

3rd year

1st semester: September - February
2nd semester (internship): February - September



- › Paris - Saint-Etienne: 2hrs 50 by train
- › Lyon - Saint-Etienne: 45mins by car or by train
- › Lyon international airport - Saint-Etienne: 1hr



Our website



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