STUDYING AT TELECOM SAINT ETIENNE

A French engineering school

Telecom Saint Etienne (TSE) is an integral part of the Université Jean Monnet in Saint-Etienne and an associate member of the Institut Mines-Télécom, TSE trains around 500 engineers each year in electronics, optics/photonics, telecommunications, computer networks, computer vision, computer science and informatics.

French-speaking students

A minimum B2 level in French is required

French-speaking students can join our program throughout the engineering curriculum for 1 or 2 semesters:

- The winter semester runs from early September to late January.
- The summer semester runs from mid-February to June.

Note that the final year of the program (M2 level) consists of an academic semester and an internship lasting a minimum of 20 weeks (mid- February to August/September).

More details on our website

English-speaking students

A minimum B2 level in English is required

English-speaking students can join our program for one or two semesters at M2 level. This year of the curriculum is made up of an academic semester (September to February) and an internship lasting a minimum of 20 weeks (mid- February to August/September).

During the academic semester, 3 program tracks are available for English-speaking students:
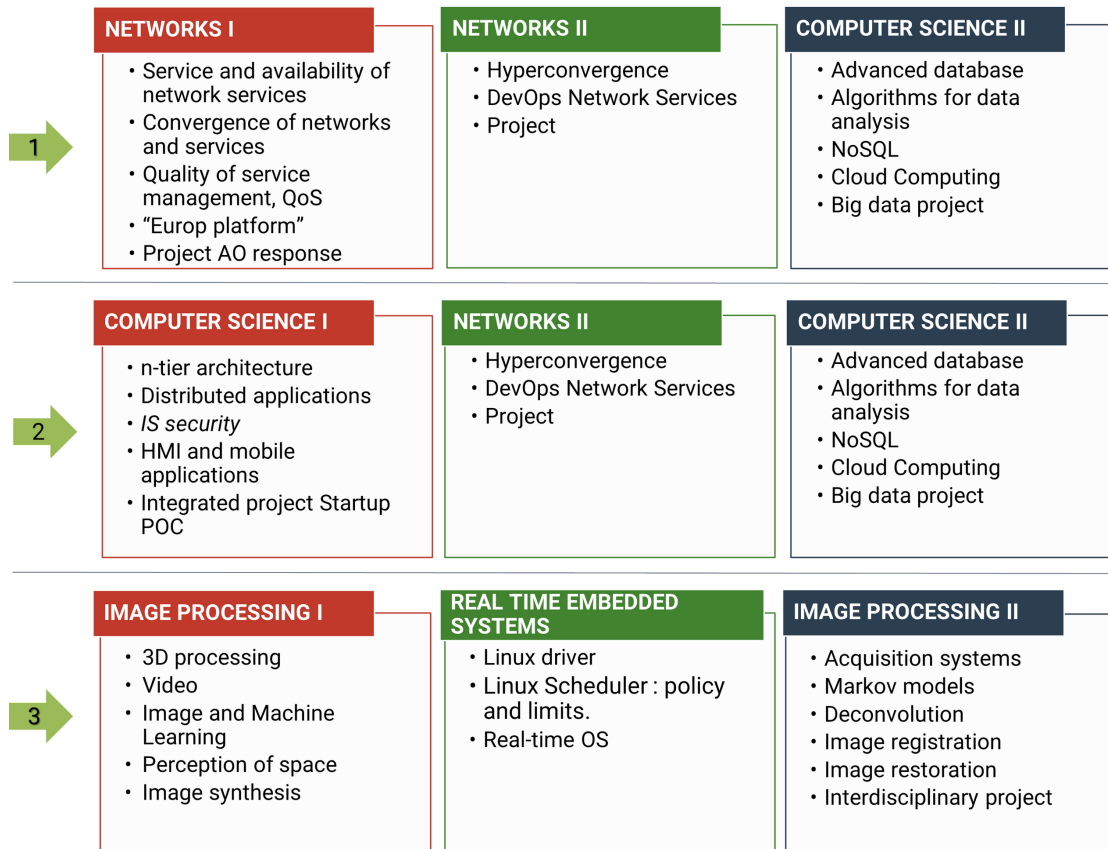
A core curriculum…

3 ECTS — RESEARCH AND INNOVATION PROJECT	2 ECTS — FRENCH FOR FOREIGN STUDENTS	AT LEAST 2 ECTS — PROJECT / HUMANITIES

… and a choice of 3 programs.

1

NETWORKS I	NETWORKS II	COMPUTER SCIENCE II
• Service and availability of network services • Convergence of networks and services • Quality of service management, QoS • "Europ platform" • Project AO response	• Hyperconvergence • DevOps Network Services • Project	• Advanced database • Algorithms for data analysis • NoSQL • Cloud Computing • Big data project

2

COMPUTER SCIENCE I	NETWORKS II	COMPUTER SCIENCE II
• n-tier architecture • Distributed applications • *IS security* • HMI and mobile applications • Integrated project Startup POC	• Hyperconvergence • DevOps Network Services • Project	• Advanced database • Algorithms for data analysis • NoSQL • Cloud Computing • Big data project

3

IMAGE PROCESSING I	REAL TIME EMBEDDED SYSTEMS	IMAGE PROCESSING II
• 3D processing • Video • Image and Machine Learning • Perception of space • Image synthesis	• Linux driver • Linux Scheduler : policy and limits. • Real-time OS	• Acquisition systems • Markov models • Deconvolution • Image registration • Image restoration • Interdisciplinary project

🟥 9 ECTS   🟩 5 ECTS   ⬛ 9 ECTS

Exceptionally, depending on the lecturer, some courses may not be taught in English. In such cases, the student will be offered either another course taught in English, or the opportunity to take part in a research project with one of the school's professors or associate-professors. The work required will be adapted to the number of ECTS credits to be validated.

"A la carte"

Depending on your language level and specialities, we can offer you a personalized program

If you can't find what you're looking for in the different options above, but are still interested in our school and our specialities: contact us! Wherever possible, we'll be happy to offer you other course modules with different language options.