



EXCHANGE SEMESTER

in Building Envelope

About ENISE

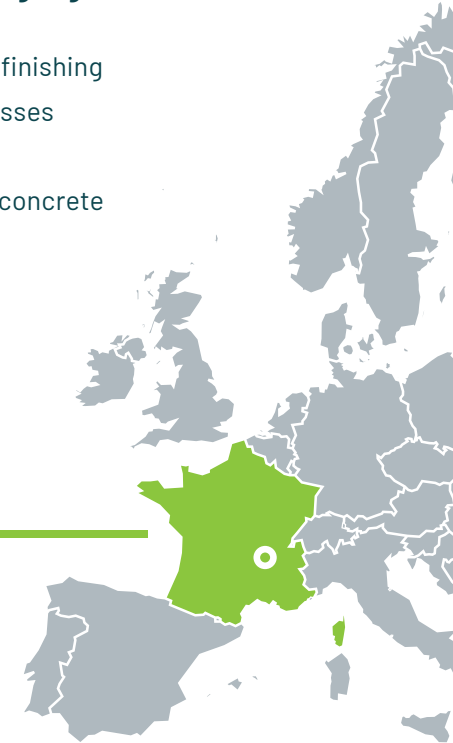
Centrale Lyon ENISE, internal school of Centrale Lyon, is a **specialized engineering school in Mechanical, Civil and Sensory engineering.**

Our training programmes are based on our **cutting edge research** in our 3 majors:

- Additive manufacturing, machining and superfinishing
- Numerical simulation of manufacturing processes
- Composite materials for rehabilitation
- Phase-change materials and fiber reinforced concrete
- Biomaterials, diagnosis of the integrity of living tissues and aging
- Virtual reality & perception engineering



We are located in Saint-Etienne who welcomes more than 30 000 students every year.



Objectives

To explore a **specific field of study**

To take courses that **match academic interests** and gain knowledge from renowned experts

To discover education approach that is both **practical and interactive**

A study environment that encourages **cooperation and teamwork**

Prerequisites

To already have **180 ECTS credits validated**

A minimum of **B2 English level** is necessary

MANDATORY COURSES



4 ECTS

Seismic engineering



2 ECTS

Non linear mechanics



3 ECTS

Lean manufacturing
in Civil Engineering



3 ECTS

Composite materials
in Civil Engineering

ELECTIVE COURSES



2 ECTS

French for beginners



1 ECTS

Sport or student club



2 ECTS

Strategic management



4 ECTS

Supply chain



4 ECTS

Production system
optimization



8 ECTS

Project course I

ADDITIONAL DIPLOMA

The **Certificate in Research Training**, our **institutional diploma**, is awarded when attending projects courses:



30 ECTS

Full semester
research project



15 ECTS

Project course II

Exchange semester // September to February

Embark on a unique exchange semester, fully **taught in English**, tailored to your preferences and designed for a deep dive into the world of cutting-edge research.

With **internationally recognized researchers**, gain unparalleled expertise, earning 30 ECTS credits with:

- 15 ECTS of **mandatory speciality courses**
- 15 ECTS of **elective or research project courses**
- or 30 ECTS for a **full semester research project** in one of our lab (spring semester)

An additional institutional diploma, the **Certificate in Research Training**, is awarded for the research project.

