



EXCHANGE SEMESTER

in Advanced Manufacturing

About ENISE

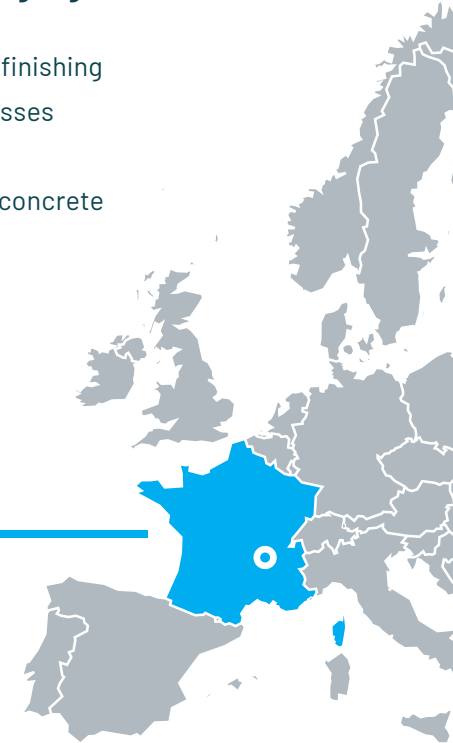
ENISE, internal school of Ecole centrale de Lyon, is a **specialized engineering school in Mechanical, Civil and Sensory engineering.**

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
15 ECTS



3 ECTS

Tool material interaction



4 ECTS

Additive manufacturing



3 ECTS

Surface integrity



3 ECTS

Functional and in-use properties



3 ECTS

Component repair by thick coating technologies

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:



15 ECTS

Project course II



30 ECTS

Full semester research project

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.

