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

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

SENSORY ENGINEERING

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

<table>
<thead>
<tr>
<th>Course</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>Strategic management</td>
<td>2 ECTS</td>
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<tr>
<td>Supply chain</td>
<td>4 ECTS</td>
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<tr>
<td>Mechatronics &amp; Micro controllers</td>
<td>3 ECTS</td>
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<tr>
<td>Bio-tribology</td>
<td>4 ECTS</td>
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<tr>
<td>Manufacturing processes for sensory applications</td>
<td>4 ECTS</td>
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<tr>
<td>Augmented &amp; Virtual Reality</td>
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### Additional Diploma

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

<table>
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<tr>
<th>Course</th>
<th>ECTS</th>
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<tbody>
<tr>
<td>Project course II</td>
<td>15 ECTS</td>
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<tr>
<td>Full semester research project</td>
<td>30 ECTS</td>
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### How to apply?

[enise.fr/en](http://enise.fr/en)