**MSc. in Acoustics – Lyon**

*Initial or continuing education*

**Two-year Master program**, based on four internationally recognized **engineering schools**, 8 research laboratories of the **University of Lyon** and **CeLyA**, an alliance of the main research teams working in acoustics in Lyon.

Program training in various areas of acoustics with theoretical, numerical and experimental approaches used in research projects.

Contact: master-acoustics@listes-ec-lyon.fr
In charge of the teaching program: Pr. Jean-Christophe Béra
Management of applications: Adeline Trenner


Lyon is the 2nd French university hub, with 130000 students including **15000 foreign students**

Training course recognized by major industrial groups, consultants and research laboratories.

**Areas of study:**
- Aeroacoustics
- Medical ultrasound
- Ground transportation noise
- Air transportation noise
- Vibroacoustics
- Perception, sound quality
International program open to French and foreign students. A significant part of the training involves the gradual acquisition of scientific communication in English, especially in offering high-level scientific lectures in English with internship opportunities abroad.

**Prerequisite:**
- Bachelor degree (or equivalent) in science or engineering
- B1 level in English (CECRL)

Numerous elective and specialized courses during the second year, with support from the research teams of the Centre Lyonnais d’Acoustique (CeLyA), and links between laboratories and partners from the industry.

**Master of Science in Acoustics – Lyon**

*Initial or continuing education*

**Cursus of the two-year program**

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<th>S7</th>
<th>Sound and acoustic propagation</th>
<th>Signal and speech processing</th>
<th>Fundamentals of mechanics</th>
<th>Continuum mechanics</th>
<th>Language, French / English</th>
<th>Mgmt project &amp; comm</th>
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<tr>
<td>S8</td>
<td>Acoustic modelling</td>
<td>Vibrations</td>
<td>To go beyond: musical acoustics, structures, image signal processing, adaptive filtering, ...</td>
<td>Language, French / English</td>
<td>Internship in Lab.</td>
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<td>S9</td>
<td>Advanced acoustics</td>
<td>Specialization in aeroacoustics, sound perception, building acoustics, vibroacoustics, ...</td>
<td>Applications to environment, transport, ...</td>
<td>General course</td>
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<td>S10</td>
<td>Research internship</td>
<td>Research internship</td>
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Research training with more than one semester of internship (in a research laboratory or a R&D department in industry, in France or abroad), and two training periods to be performed in a partner laboratory. This program allows students to join the R&D department of a company or to continue with Ph.D. thesis (carried out in a research laboratory or in collaboration with an industrial partner).


Enrollment fees: About 500 € per year.