

MSc. in Acoustics – Lyon

Initial or continuing education



Perception, sound quality

Medical ultrasound

Aeroacoustics

Ground transportation noise

Air transportation noise

Vibroacoustics

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.



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.

Contact : master-acoustics@listes-ec-lyon.fr

In charge of the teaching program: Pr. Jean-Christophe Béra
Management of applications: Adeline Trenner

<http://master-acoustics.ec-lyon.fr>



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Cursus of the two-year program

S7	Sound and acoustic propagation	Signal and speech processing	Fundamentals of mechanics	Continuum mechanics	Language, French / English	Mgmt project & comm
S8	Acoustic modelling (numerics, project)	Vibrations	To go beyond: musical acoustics, structures, image signal processing, adaptive filtering, ...		Language, French/English	Internship in Lab.
S9	Advanced acoustics	Specialization in aeroacoustics, sound perception, building acoustics, vibroacoustics, ...	Applications to environment, transport, ...	General course	Language, French/English	Mgmt project & comm
S10	Research internship in a laboratory or in a R&D department (industry)					

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.



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.

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