



MASTER Sc. IN ACOUSTICS LYON

MASTER-ACOUSTICS.EC-LYON.FR

A COMPREHENSIVE AND VARIED PROGRAM

The Master's degree in Acoustics offers training in many areas of acoustics such as **sound perception and sound quality, medical ultrasound, aeroacoustics, vibroacoustics**, notably with application to air and ground transportation systems.

The training is based on theoretical, numerical and experimental approaches, including projects conducted in our partner research laboratories, and a semester-long placement in an academic laboratory or in a research and development (R&D) in the industry.

After graduation, this program allows students to join a R & D department in industry (transportation, energy, building, health), to become a consultant in acoustics, vibrations, aeroacoustics or medical systems, or to continue with a Ph.D. thesis carried out in a research laboratory or in collaboration with an industrial partner.

PRESTIGIOUS PARTNERS, RENOWNED EXPERTISE

The Master's degree in Acoustics is backed by 4 internationally recognized engineering schools, 9 research laboratories of the Université de Lyon and the Centre Lyonnais d'Acoustique (**CeLyA**), a partnership between the main research teams working in acoustics in Lyon.

This training program is recognized by major industrial groups, consultancy firms and research laboratories worldwide.

AN INTERNATIONAL EDUCATIONAL EXPERIENCE

The program is open to students from France and abroad.

A significant part of the training involves the gradual acquisition of **scientific communication skills in English**, especially by offering high-level scientific lectures in English and worldwide internship opportunities. The students enrolled in the Master's program also have the opportunity to improve their level in French. Internships can be achieved abroad in order to facilitate your professional integration in an international context.

AN INDIVIDUAL TRAINING PATH

Numerous **elective and specialised courses** dealing with various fields in acoustics, vibration and signal processing are offered. These courses are delivered by members of CeLyA but also by industrial partners.

The Master's program can also be followed as **continuing education**.

The engineering students from the École Centrale de Lyon, Polytec-Lyon, INSA-Lyon, ENTPE and ECAM, may apply to the M2 year as part of their engineering cursus (the so-called double cursus).

Students with a Master of Science, or at least with a first year M1, in Mechanics, Physics and Mechanical engineering can also apply directly for the second year of the program.

LYON, A DYNAMIC STUDENT CITY

Lyon is a city of history, listed as part of UNESCO's World Heritage since 1998, making it Europe's 2nd-largest Renaissance site after Venice. Every year, several million tourists come to visit Lyon. The capital of the Gauls has become a favourite destination for travellers thanks to its charm and the quality of its cultural life.

Lyon has **150 000 students** including 15 000 foreign students, at the city's 4 universities and 54 institutes of higher education. The city thus offers a virtually endless range of higher education opportunities. The Université de Lyon is France's 2nd-largest scientific hub.

Lyon is France's 3rd International airport, and has 3 TGV stations allowing easy access to the city for students from all around the world.

PROGRAM OF THE TWO YEARS

The MSc in Acoustics is a two-year program organized in 4 semesters of 30 credits (ECTS) each.

The objective of the MSc program is to provide the theoretical knowledge and the practical skills that are required to take up various challenges in acoustics.

The program offers room for applying theoretical concepts to practical situations through projects and training periods. The optional courses correspond to one full-time semester. General skills including scientific communication in French and/or in English, seminars and project management are also proposed during the MSc program.

The detailed program can be found on our web site master-acoustics.ec-lyon.fr

PREREQUISITES

- A Bachelor degree (or equivalent) in the field of science or engineering, for example Physics, Mechanics, Mechanical Engineering or Electrical Engineering, is required to be eligible for the Master of Science in Acoustics
- B1 level in english (CECRL)

HOW TO APPLY

- All candidates should apply by completing a registration process online
- Specific online procedure for the students from the Ecole Centrale de Lyon, Polytec-Lyon, INSA-Lyon, ENTPE and ECAM applying to the second year M2 as part of their engineering cursus (double cursus)





CONTACT

master-acoustics@listes-ec-lyon.fr

RESPONSABLES FOR TRAINING

Pr. Jean-Christophe Béra (M1)

Pr. Christophe Bailly (M2)

ADMISSION PROCESS

Adeline Trenner

FOR MORE DETAILS:

MASTER-ACOUSTICS.EC-LYON.FR

