

THE MASTER'S PROGRAM ENVIRONMENT

The IMDEA program was created thanks to the EMV Foundation.

Courses are given at the *Le Mans Université* (Le Mans, France) and at the ESEO group (Angers, France)



EMV Foundation

The EMV Foundation supports higher education & research in electroacoustics



Le Mans Université

Located at only 54 min from Paris, our University welcomes over 11,000 students a year, including 1500 students from 90 different nationalities



The ESEO Group

Created in 1956, the ESEO group offers engineering educational programs in Electronics, technologies and communication. The group relies on a network of 4500 engineers in 1400 companies



The LAUM

Laboratoire d'Acoustique de l'Université du Mans

Created 30 years ago, the LAUM is a Coeducational Research in acoustics, vibrations or Ultrasound. This Laboratory benefits from a strong worldwide scientific recognition

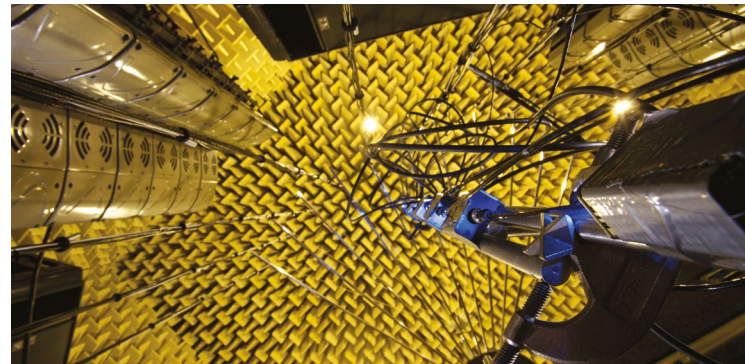
CAREER OPPORTUNITIES

The Master's program prepares students for careers dealing with different aspects of electroacoustics where strong analytical and research skills are required, whether in public or private sectors as well as for PhD studies or research activities.

- Public Address & sound reinforcement system
- Hifi systems
- Consumer electronics (phones, multimedia, nomad devices)
- Audio systems for the transportation industry
- Headphones

They have welcomed our students:

Apple, B&C speakers, Bang & Olufsen, Bower & Wilkins, Cabasse, d&b audiotechnik, Dirac Research, Focal, Kef, Klippel GmbH, L-Acoustics, Nexo SA, Orosound, Groupe PSA, QSC, Speaker Trade, Usound GmbH...



CONTACT INFORMATION

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Imdeacoustics



Imdeacoustics Le Mans

JOIN THE MASTER!



"International Master's
Degree in ElectroAcoustics"
IMDEA

Amplify your ideas!

imdeacoustics.univ-lemans.fr

TRAINING DESCRIPTION

The International Master's Degree in Electro Acoustics offers students the opportunity to learn the fundamentals in electro acoustics and in related fields :

- Electro acoustics
- Mechanics and materials
- Transducers (loudspeakers, microphones)
- Acoustic loads and acoustic radiation
- Real time signal processing

The entire range of the electro acoustic chain is covered. Courses are given in English only, on an advanced scientific and technical level.

IMDEA TEACHERS

- **LAUM Researchers** in transducers, waveguides, vibrations, non linearities, acoustic materials, ...
- **ESEO expert teachers** in signal processing and electronics
- **Engineers from International companies or Universities** in the field of electro acoustics



COURSES

Semester 1: discover acoustics & electroacoustics	30 ECTS
Starter courses	5
Acoustics & mechanics	8
Electroacoustics	7
Methods	5
Communication	1
Electronics, signal processing	4

Semester 2: strengthen your skills	30 ECTS
Electronics, signal processing	9
Electroacoustic project	7
Acoustics & mechanics	7
Electroacoustics	3
Communication	4

Semester 3: meet the professionals	30 ECTS
Electroacoustics + project	18,5
Acoustics & mechanics	5
Electronics, signal processing	6,5

Semester 4: apply your knowledge	30 ECTS
Internship (5 months)	26
Numerical modelling of electroacoustic devices	4

PROJECTS / INTERNSHIP

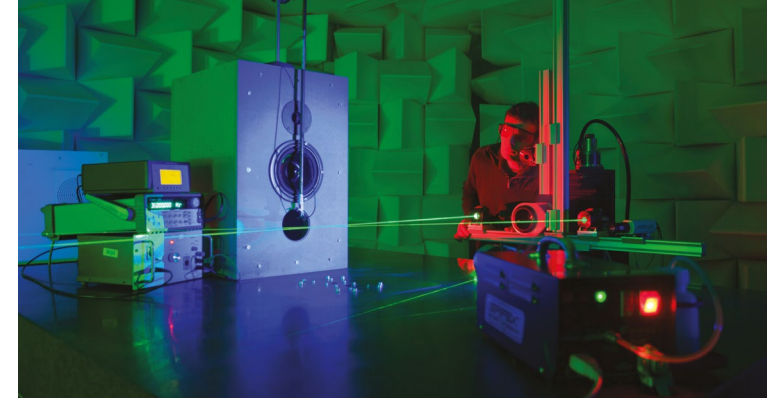
- **Objective**
Implement the knowledge acquired through the master's program thanks to real-life applications.
- **Required work**

PROJECTS

Carry out an audio system prototype using simulation and experimental characterization tools

INTERNSHIP

Develop & highlight the company products & know-how thanks to the student skills and experience



ADMISSION REQUIREMENTS

- **Bachelor's Degree** in electronics, acoustics, or equivalent from an internationally recognized university
- **English proficiency** with a minimum level of English required: IELTS (6/9), TOEFL (3/4), TOEIC or CEFR (B2)

ADMISSION PROCEDURE

All IMDEA applicants must follow our **3-step admission procedure** which includes a scientific test, a motivation test and the filling-out of the application form.

IMDEA AND ORO SOUND SCHOLARSHIPS

Each academic year, the IMDEA and orosound scholarships are awarded to 6 students who have been admitted to our program.

The orosound scholarships are reserved for female applicants only, in order to improve the gender balance in IMDEA. Recipients are chosen by the selection committee among all the applications received before the deadline.

Selection is based on the 3 following criteria :

- Academic excellence
- Motivation
- Financial resources

For any further information regarding the admission procedure or the scholarships, please contact us by email or visit our website.

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