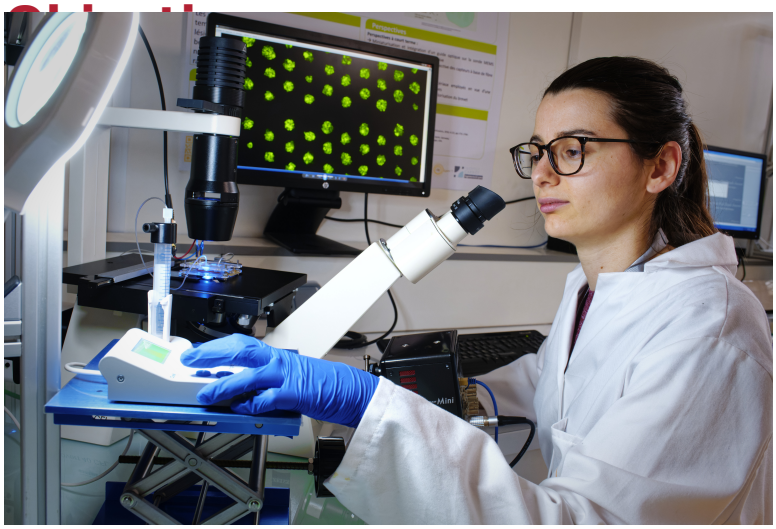
Master 2 Health Engineering

Degree level: Master
Training time: 1 year
Language: French
Status: Student
Campus: Lyon-Ecully Campus



The **master 2 Ingénierie de la Santé** trains specialists in technologies applied to healthcare, pharmaceuticals or laboratories. The course is divided into two tracks:

- Health Product Design and Optimization
- Medical Imaging and Signal System

Program

After an M1 in the biomedical field, the M2 year takes place over a teaching semester (autumn) and an internship semester (spring).

Medical imaging, signals systems

Health Product Design and Optimization

This pathway enables progression in the medical device field with a particular focus on methods, instruments and treatments for medical imaging and "Home Care" instrumentation.

Education

- Bibliography and personal assignments
- MRI and optics imaging
- Ultrasonic imaging and therapy
- Ionizing imaging
- Language

Internship

Students must complete a 5-6 month internship in a company or research laboratory.

This course trains future PhDs or industrial R&D managers, specialized in healthcare product design. The training offers a galenic and analytical approach, taking into account industrial (property, patentability...) and clinical constraints.

Teachings

- Design and formulation of drugs and cosmetics
- Biopharmacy
- Physicochemistry of APIs and galenic forms
- Bibliography and personal work
- Biomaterials and tissue repair
- Regulations and Innovations
- Language

Internship

Students are required to complete a 5-6 month internship in a company or research laboratory.

Diploma and certification

This course awards a national master's degree - controlled by the State.



Career opportunities

- Thesis pursuit
- R&D managers of major groups in the sector, innovative SMEs/SMIs in the field of health technologies

Focus

A master's degree co-accredited with Université Claude Bernard Lyon 1

As part of this partnership, some courses will take place on the Rockfeller campus in Lyon's 8th arrondissement.

- 8 avenue Rockefeller, 69008 Lyon

Admission requirements and application

Pre-requisites

- Students holding a Master 1 or equivalent to Bac+4 (240 ECTS) obtained in health sciences.
- Centrale Lyon engineering students as part of a double degree.

Application

Applications are considered on the basis of a portfolio.

Tuition fees

Acknowledging and anticipating your expenses is essential before committing to a training course with confidence.

Find out more about Master's course fees Discover the average budget for studies at Centrale Lyon

Administrative contact

Education department - French-speaking Masters

Information and registration

scolarite.master-lyon@listes.ec-lyon.fr

Useful links

- Discover the training syllabus
- Lyon 1 University website