One programme, two disciplines

The Physics & Chemistry Master unites two disciplines sharing a common scientific origin.

“Training for research by research”

In keeping with the École Normale Supérieure de Lyon’s tradition of excellence, you can construct a degree programme in fundamental physics or chemistry, or one interfacing both disciplines.

5 POSSIBLE PROGRAMMES FOR 2nd YEAR MASTER

- Physics: concepts and applications
- Complex systems and modeling
- Physics, chemistry and numerical methods
- Course with a semester in another university
- Chemistry: concepts and applications

In preparation for our two-year masters’ degree, follow our final year Bachelors course (L3).

Become a Physicist

As a major in physics you will be able to follow courses within your discipline or tailor your studies to include classes in chemistry, mathematics, biology or geology.

You will be able to study fundamental physics and chemistry in parallel and in interaction with the help of active and dedicated researchers at the forefront of their disciplines.

www.sciencesdelamatiere.fr
The fruit of a 20 year collaboration between the École Normale Supérieure and the University Claude Bernard the « Master Sciences de la Matière » (Physics and Chemistry) bares the label of the University of Lyon. This competitive and original degree brings together students from France and abroad with an outstanding academic record.

**Physics Major**

Extensive laboratory research projects integrated into masters programme allow development at the cutting edge of research. Themes include:

- Theoretical physics and modelling
- Out of equilibrium physics
- Fields, particles and condensed matter
- Astrophysics
- Complex systems

Research plays a fundamental role in the degree programme, preparing for the best doctoral theses and for future careers in research and teaching.

**Opportunities**

The Physics and Chemistry Master aims to train high-level researchers capable of innovation and creation both at university and in industry.

"2/3 of our alumni hold research positions"

- Prepare a theoretical or experimental PhD in fundamental physics
- Join a Research and Development department in industry

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Chemistry Major

Extensive laboratory research projects integrated into masters programme allow development at the cutting edge of research. Themes include:

- Organic chemistry
- Theoretical chemistry and modelling
- Molecular inorganic chemistry
- Inorganic chemistry of materials
- Catalysis and Physical chemistry
- Complex systems

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