

PROGRAMS

MATERIAL SCIENCES

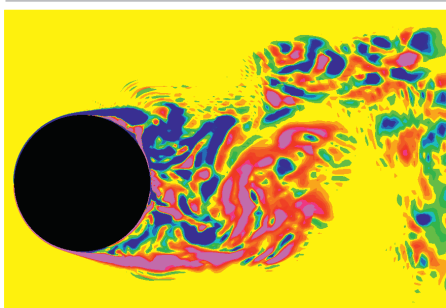
JOINT ACCREDITATION WITH ENS DE LYON – UNIVERSITÉ CLAUDE BERNARD LYON 1

<http://www.ens-lyon.fr/MasterSDM/>

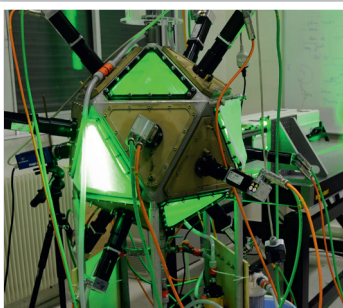
AN EXCELLENT INTERDISCIPLINARY TRAINING IN PHYSICS AND/OR CHEMISTRY

- An important part of this course is devoted to experimental teaching, with research internships in laboratories (academic or industrial) and study periods abroad.
- Possibility to have personalized programs including national double diplomas or international engineering-science.
- Opportunity to open up to other disciplines such as biology and IT.
- Acquisition of the latest work methods and digital tools.

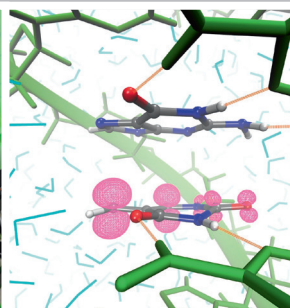
As from degree level, each student can develop an individual study course, working with the head of their scientific program. They will also benefit from a personalized tutoring.



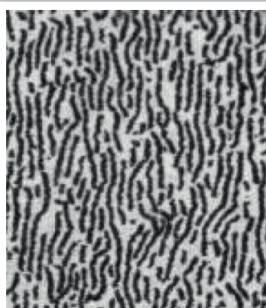
Granular wrinkles



Turbulent flows



Spin density after
a free radical attack in DNA



Colloidal Aggregates

TRAINING OFFER

• BACHELOR'S DEGREE (L3)

Designed as a pre-Master's, this program gives students solid skills in Physics and/or Chemistry and work towards a Master's in Material Sciences in the best conditions.

• MASTER'S IN MATERIAL SCIENCES (certified Université de Lyon)

- Master's 1 (M1)

High level general training leading to different specialties of the Master's 2 in Chemistry and Physics

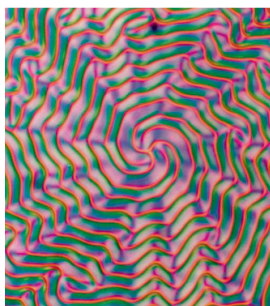
- Master's 2 (M2):

Science & Innovation Program, 5 possible options :

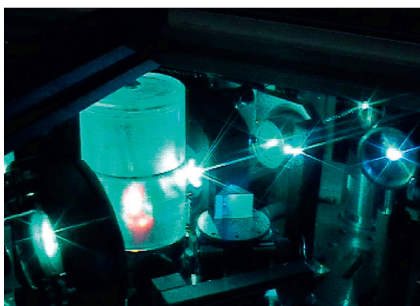
- Physics, concepts and applications
- Chemistry, concepts and applications
- Complex systems
- Specialization in another university in France through the program "Ouverture"
- FEADéP program (Teaching Training, the French Agrégation in Physics, option Physics or Chemistry and Professional development): teaching program including preparation for the specific agrégation exam.

ADMISSION

ADMISSIONS THROUGH PUBLIC SELECTION PROCESS: Compulsory inscription for the ENS de Lyon diploma ENS PUPIL WITH CIVIL SERVANT STATUS	ADMISSIONS BASED ON STUDENT RECORDS FOR THE ENS DE LYON DIPLOMA ENS STUDENT STATUS	ADMISSIONS BASED ON STUDENT RECORDS FOR A MASTER'S NON-DEGREE SEEKING STUDENTS
<ul style="list-style-type: none"> • 1st competitive entrance exam: for 3rd year degree course students (L3) or 1st year Master's student (if admitted in 2nd year of the diploma) • 2nd competitive entrance exam: university students having validated their final degree year (L3) 	<ul style="list-style-type: none"> • For final year degree students (L3) or 1st year Master's student (if admitted in 2nd year of the diploma) • Examination of the application for potential students by ENS de Lyon's admission commission • Criteria for selection: quality of the application, motivation and personal project of the candidate and relevance of this project to the content of the course 	<ul style="list-style-type: none"> • 1st year or 2nd year Master's • Examination of the application for potential students by ENS de Lyon's admission commission • Criteria for selection: quality of the application, motivation and personal project of the candidate and relevance of this project to the content of the course



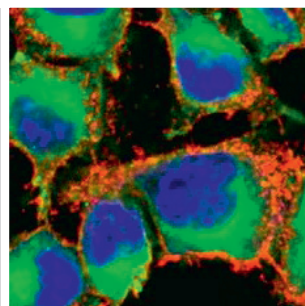
Cholesteric liquid crystal



Femtosecond laser



Ketocyanines with fluorescence in the visible domain



Cells marked by fluorescent molecules

REGISTRATION PROCESS

INCLUDING INTERNATIONAL STUDENTS

www.ens-lyon.fr/formation/admission

FIND OUT MORE ABOUT THE PROGRAM

<http://www.ens-lyon.fr/MasterSDM/>

CAREER OPPORTUNITIES

- Researcher, teacher-researcher, engineer researcher
- Teachers in higher education, principally for top university entrance exam preparatory classes
- Manager in R&D in industry
- Analyst, expert
- Scientific advisor
- High level civil servant

CONTACT: ENS DE LYON

Directors: Élise Dumont (Chemistry) and Francesca Chilla (Physics)

Assistant Directors: Belén Albela (Chemistry) and Nicolas Taberlet (Physics)
contact.sciencesdelamatiere@ens-lyon.fr

<http://www.ens-lyon.fr/MasterSDM/>

Head of 1st year of ENS de Lyon diploma:

Jens Hasserodt (Chemistry) and Sébastien Manneville (Physics)

Contacts for Master's: Belén Albela (Chemistry) and Cendrine Moskalenko (Physics)

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