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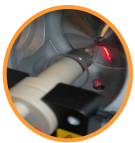
UNIVERSITY OF LYON

DEPARTMENT OF CHEMISTRY  
AND BIOCHEMISTRY

*Masters of Science*



<http://fst-chimie.univ-lyon1.fr/>



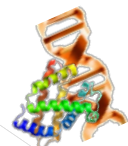
## Master in Analytical Chemistry

To identify a substance, its chemical and physical properties and to determine the amount of this substance are key features in industry, environment, agrochemistry, biology, medicine or justice. In order to apply constantly evolving industrial standards and to find new analytical technologies, the required competences need to be more and more diversified.

- Analytical sciences
- Physical and chemical analysis
- Forensic science (industrial employment)

<http://master-analyse-contrôle.univ-lyon1.fr/>

## Master in Biochemistry



Biochemistry is a multi-disciplinary field (structural biochemistry, metabolic biochemistry, enzymology, molecular biology). Its investigative methods range from bioinformatics to biophysics. Biochemistry is involved in industrial sectors such as biotechnologies, health care (drugs, diagnosis, reagents), beauty care, textile and environment.

- Structural and functional biochemistry
- Biochemical engineering and biotechnology (industrial employment)
- Biochemistry and informatics (industrial employment)

<http://biochimie.univ-lyon1.fr/>



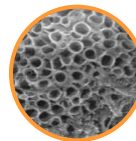
## Master in Chemistry

Chemistry is structured around different research fields: catalysis, environment, organic chemistry, inorganic chemistry... and contributes to improve our daily life. Chemistry is an ingenious science that transforms matter in order to provide humanity the products it needs in both quality and quantity (drugs, cosmetics, detergents, paints, synthetics and plastic materials...).

- Catalysis and physical chemistry
- Organic chemistry
- Inorganic chemistry
- Industrial chemistry (industrial employment)
- Chemistry and informatics (industrial employment)
- Master in English (2<sup>nd</sup> Year) : Synthesis, Catalysis, and Sustainable Chemistry

<http://master-chimie.univ-lyon1.fr/>

## Master in Material Science



Synthetic polymers, glasses, céramics, natural polymers, metals and alloys, composite materials, multi-materials, hybrid materials, nanomaterials.

- Innovative materials
- Life cycle of materials (industrial employment)

<http://master-materiaux.univ-lyon1.fr/>

## Careers

- Project leader in research and development
- Project leader in sales and marketing
- Project leader in production
- Research scientist
- Lecturers
- etc.

## Industrial sectors

- Agrochemistry
- Cosmetics industry
- Electronics
- Environment
- Food industry
- Forensic science
- Pharmaceutical industry
- Scientific instrumentation
- Textile industry
- Transports (aeronautics, automobile..)
- etc.

