

# Come and study Chemistry in France

in Europe's largest science park, Sophia Antipolis, and on the French Riviera

## Master in Chemistry

### Research oriented MSc:

- Advanced **organic chemistry** (photochemistry, electrochemistry, sonochemistry, microwave chemistry, asymmetric catalysis, aqueous or solid phase-assisted procedures, catalytic antibodies, combinatorial chemistry, new methods for "green" chemistry)
- Advanced **analytical chemistry** (RMN of biomolecules, modern techniques in mass spectrometry, thermal analysis)
- **Theoretical chemistry** (structure, reactivity and molecular interactions)
- **Supramolecular chemistry**
- Chemistry of **biomolecules** for medicinal applications
- Chemistry of **natural substances**
- **Environmental chemistry** (radiochemistry, ultratrace analysis, geochemistry)
- Chemical and physical **analysis of materials** (rheometry, surface analysis: XPS, AFM, XRD,...)
- **Nanomaterials and biomaterials**
- English (preparation to the TOEIC test)



### Professionally oriented MSc:

- **Formulation** (rheology and thermodynamic of mixtures, physico-chemistry of interfaces, silicon-based materials, granulometry, polymers, food additives, cosmetology, dermatology, perfumery, detergents and sanitary products, pigments and formulation of paints, pharmaceutical galenics)
- **Analysis** (extraction techniques, capillary electrophoresis, thermal analysis, mass spectrometry, electrochemistry, NMR, chromatographic techniques: GC, GC/MS, HPLC/MS, AA, polarography, radiometric techniques, sensorial analysis)
- **Quality** (quality management (ISO 9000, 9001, 14000...) legal and practical aspects, metrology, statistical and numeric tools, sampling, quality control, chemometrics, standards and regulations in pharmaceuticals (GMP) and cosmetology, consumer protection, environmental aspects)
- Juridical and regulatory aspects (industrial property (patents, trademarks), chemical risks, regulations in pharmaceuticals, food additives, flavors and fragrances)
- English (preparation to the TOEIC test) ; Management and communication



Most courses are conducted in French. French lessons for foreign students are provided by the university.  
Courses comprise: theoretical background, practical sessions and internships.

For more information, consult our **web sites**:

University of Nice Sophia Antipolis  
Department of Chemistry

Research Master (VEM: Vie, Environnement, Matériaux)  
Professional Master (FOQUAL: Formulation, Analyse, Qualité)

<http://www.unice.fr/>

<http://www.unice.fr/deptchimie/>

<http://portail.unice.fr/jahia/page1250.html>

<http://www.unice.fr/masterpro-chimie-foqual>

