

UNIVERSITÉ
CÔTE D'AZUR



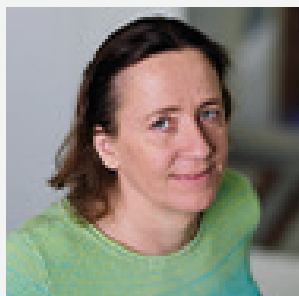
ÉCOLE UNIVERSITAIRE DE RECHERCHE
SCIENCES FONDAMENTALES
ET INGÉNIERIE

Master's degree

MOLECULAR CHEMISTRY

FOQUAL

A WORD FROM THE HEAD OF THE PROGRAM



Elisabeth Taffin De Givenchy
Professor and researcher
Institute of Chemistry of Nice

“ This second year of the master's program **is the ideal gateway for a potential career as a R&D lab manager or quality manager.**

The program's main feature—beyond its work-study format—is its practical and immersive approach, which prepares students for the professional world in a concrete way. Students collaborate with a company on a year-long formulation project, develop applications in analytical chemistry (such as dosage of active ingredients, comparison of raw materials, and formula stability), improve their communication skills in both French and English (for job interviews and CV preparation),

and complete formulation lab exercises in Grasse. **The two specialization tracks have been designed in close collaboration with companies in the Grasse area to address specific market needs:** one in the pharmaceutical and veterinary industries, and the other in flavors, fragrances and cosmetics.

Upon graduation, 85% of students secure a permanent job within six months. Our alumni now play a key role in recruiting interns and establishing company partnerships. Many return to teach in the program, request the services of its Junior-Entreprise, and serve as full-time ambassadors of the FOQUAL master's degree. ”



20-year-old
program



2
specializations



2 advanced
analytical platforms



100 partner
companies



Nice and Grasse
campuses

A PROGRAM SPECIALIZED IN FINE CHEMISTRY

The Master 2 in Formulation, Analysis, and Quality (FOQUAL) at Université Côte d'Azur prepares for management careers in analytical chemistry, formulation, quality control, and regulatory affairs.

The two specialization tracks open pathways to diverse sectors, including pharmaceuticals, parapharmacy, veterinary products, agri-food, hygiene and safety, environmental industries, cosmetics, as well as flavors and fragrances.

In this second-year program, students follow both theoretical and

practical courses using state-of-the-art equipment (GC/MS, HPLC/ELSD, atomizer, etc.) in stimulating settings, such as the Innovagrasse incubator for innovative companies.

Students carry out two group projects in collaboration with companies, associations, or NGOs. The first focuses on formulation, such as developing a new line of cosmetics and addressing the associated regulatory issues. The second centers on analysis and requires students to study and present an analytical technique (HPLC/MS, GC/MS, ICP AES, etc.).



4 CORE THEMES

Formulation

- Fundamentals of rheology and thermal analysis, liquid and pasty forms, etc.

Analysis

- Fundamental and industry-specific concepts in analytical chemistry (mass spectrometry, NMR, sample extraction and preparation, chromatographic techniques, etc.).

Quality and regulatory affairs

- Quality systems and tools
- Metrology
- Risk management
- CSR, etc.

Career preparation

- Tutored projects
- Job search techniques
- Project management
- Seminars, congresses, trade fairs and forums



1 year **ALTERNATING** **WORK AND STUDY**

During the second year of the Master's program,, students alternate between work and study: **three days per week in a company**, two consecutive days in class, and full immersion in the professional world during the two summer months.

85% **EMPLOYABILITY** **RATE**

In 2022, 85%* of graduates in this program secured a management position within six months of graduation.

[Observatory of Student Life and Professional Integration - Université Côte d'Azur](#)



EXAMPLES OF CAREER OPPORTUNITIES

Formulation

R&D formulation scientist, R&D manager, laboratory manager

Analysis

Analytical project manager, analytical laboratory manager

Quality /Regulatory affairs

Quality manager, regulatory affairs manager, product development manager



Salary

For a chemistry department manager:

Median annual salary: **€42,000**

Annual starting salary: **€24,000**

Annual senior salary: **€60,000**

AN ALUMNI SHARES HIS EXPERIENCE



Antonin Juillard
Research engineer
at Azur Fragrances

“While a student in the FOQUAL program, I completed an internship with Azur Fragrances, an international company specializing in the development of customized fragrances. Today, I am a research engineer at the same company. I have maintained strong links with FOQUAL, and now it is my turn to supervise student interns and teach at Université Côte d'Azur. I have seen how the curriculum constantly evolves to meet the industry's current challenges, with a stronger focus on regulations, CSR, and the eco-design of raw materials. FOQUAL combines up-to-date courses with meaningful work experience, giving students a well-rounded understanding of their future professional environment and helping them gain maturity before entering the workforce. Companies value both the seamless recruitment process and the well-balanced work-study rhythm (three days in the company and two days at the university), which is ideal for in-depth projects.”

FORMA SUP
MÉDITERRANÉE



July 2025



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Mission Handicap

