

# Chemistry 1st year

Master in Chemistry



Target level  
Baccalaureate  
+4



ECTS  
60 credits



Duration  
1 year



Component  
UFR Chimie-  
Biologie



Language(s) of  
instruction  
English, French

## Presentation

The first year of the master 1st year in Chemistry leads to four master 2 programs: ChemTechCo, Chemistry for life sciences, PTA and SOIPA. The classes on offer fall within the field of chemistry and its interfaces with life sciences and polymer materials. During the course, students acquire the disciplinary skills vital for any type of chemist (in particular analytical methods, spectroscopy, experimental and bibliographic techniques, amongst others) and also skills more focused on the applications specific to each master 2 programs. These classes are supplemented by cross-disciplinary classes focused on languages and graduate employment, and by a mandatory internship (from 2 to 5 months) which enables students to get to grips with working in a team, in an academic or industrial setting, in France or abroad.

**International education** : Internationally-oriented programmes

## Organisation

## Admission

## Access conditions

First year master's degree : If you have completed a bachelor's degree in Science Chemistry, Biological chemistry or Physical chemistry or are enrolled in the final semester of a bachelor's program in the same domain, you are eligible to apply to the master's degree in Chemistry.

Public continuing education : You are in charge of continuing education :

- if you resume your studies after 2 years of interruption of studies
- or if you followed training under the continuous training regime one of the previous 2 years
- or if you are an employee, job seeker, self-employed

If you do not have the diploma required to integrate the training, you can undertake a  validation of personal and professional achievements (VAPP).

## Candidature / Application

Opening period : **from 26 of february to 24 of march 2024 included** with  [monmaster.gouv.fr](https://monmaster.gouv.fr)

You want to apply and sign up for a course master ? Please be aware that the procedure differs depending on the diploma you want to take, the diploma you have already obtained and, for foreign students, your place of residence. Let us be your guide – simply follow this  link

## Fees

UGA registration fees: 243 € + 100 € CVEC

## Useful info

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### Contacts

#### Program director

Helene Jamet

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#### Administrative contact

Scolarité Master Chimie

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#### Continuing education manager

Muriel Lascar

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### Course location(s) - City

📍 Grenoble

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### Campus

🏠 Grenoble - University campus

# Program

## Master 1st year

### Semester 7

	Nature	CM	TD	TP	Crédits
UE Experimental chemistry	Teaching Unit (UE)		3h	48h	6 credits
UE Analytical and spectroscopic methods	Teaching Unit (UE)	12h			6 credits
UE Organic chemistry 1	Teaching Unit (UE)	30h	20h		6 credits
UE Organometallic catalysis	Teaching Unit (UE)	30h	20h		6 credits
UE Polymers 1	Teaching Unit (UE)	22h	12h	16h	6 credits
Chemistry of Biomolecules	Teaching Unit (UE)	30h	20h		6 credits

### Semester 8

	Nature	CM	TD	TP	Crédits
UE Analytical and spectroscopic methods II	Teaching Unit (UE)	13,5h			3 credits
UE Internship	Teaching Unit (UE)				6 credits
UE Organic chemistry 2	Teaching Unit (UE)	30h	20h		6 credits
UE Bioorganic and bioinorganic chemistry	Teaching Unit (UE)	36,5h	13,5h		6 credits
UE Polymers 2 chemistry and physico-chemistry	Teaching Unit (UE)	38h	12h		6 credits
UE Macromolecular engineering	Teaching Unit (UE)	22,5h	15h	9h	6 credits
UE Lab project	Teaching Unit (UE)			50h	6 credits

UE English	Teaching Unit (UE)	24h	3 credits
UE ETC	Teaching Unit (UE)		3 credits