

Master in Chemistry

The programme offers the following course(s) :

- › Chemistry 1st year
- › ChemTechCo 2nd year
- › Chemistry for life sciences 2nd year
- › Polymers for advanced technologies 2nd year
- › Organic synthesis 2nd year

Presentation

The master in Chemistry of the Université Grenoble Alpes is a two-year diploma course. Within the master in Chemistry, the training follows a progressive specialization. The aim is to give master's students a common base of knowledge and skills in chemistry in the first year and then specialized teaching in four master 2 courses. The first year is common to the four master 2 programs :

- Chemistry for life sciences (CLS)
- Organic synthesis for pharmaceutical and agrochemical industries (SO-IPA)
- Polymers for advanced technologies (PTA)
- ChemTechCo (CTC)

During the master's in Chemistry degree, students will acquire both in-depth theoretical skills in their field of specialization, as part of the 2nd year programs, and general skills in chemistry, with a wealth of experimental know-how in this field where bench experiment is of prime importance. In this way, students will acquire the disciplinary skills vital for any type of chemist (in particular analytical methods, spectroscopy, experimental and bibliographic techniques, amongst others) and skills more focused on the applications specific to each master 2 programs. The more specific classes vary from the life sciences interface, to polymer materials and organic synthesis. A Master 2 program is also dedicated to technical sale training

The classes will be given in English discipline .

The "disciplinary" classes are also supplemented by several cross-disciplinary classes regarding graduate employment, and by mandatory internships (from 2 to 5 months in 1st year and 6 months in 2nd year) which enable the students to get to grips with working in a team, in an academic or industrial setting, in France or abroad.

At the end of the master's degree, which draws on a rich network of businesses and research laboratories on the site, graduates wishing to enter the industry with five years of university education will be able to work as laboratory managers (as design engineers, research and development engineers, team leaders, pilot managers, production managers, heads of process management and improvement or heads of industrialisation). Those who want to continue with a thesis will be able to undertake doctoral studies to become researchers (towards posts in higher education, public research or industry). The ChemTechCo program, which is a work-linked course, trains technical sales representatives for companies in the chemical instrumentation and environmental analysis sectors.

Registration and scholarships

- 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
- Second year master's degree : To be eligible to apply you should have completed, or be enrolled in a first year of a master program in Chemistry, Biological chemistry or Physical chemistry , and totalize 60 ECTS

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 \(VAPP\)](#)

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](#)

Practicals informations :

- > Component : UFR Chimie-Biologie
- > level : Baccaureate +5
- > Duration : 2 years
- > Course type : Initial and Continuing Education, Education in apprenticeship, Professionalisation contract
- > Location(s) : Grenoble - University campus

Contacts

Program director

Poisson Jean Francois
Jean-Francois.Poisson@univ-grenoble-alpes.fr

Administrative contact

Chemistry-Biology Course Services
ufrchimiebiologie-formation@univ-grenoble-alpes.fr

Program

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- > ChemTechCo 2nd year
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