

Organic synthesis 2nd year

Presentation

Students are gradually educated in organic synthesis of molecules, from the first year of the master's degree, learning the fundamental principles of organic chemistry, to the second year of the master's degree in Organic synthesis, during which students will learn retrosynthesis of complex molecules, the latest methodological developments in asymmetric organic synthesis, as well as the real implementation of syntheses, analysis, identification and characterization of the obtained products.

This program of the master's degree in synthetic Chemistry aims at training research and development executives for laboratories and industries involved in fine chemicals (for example flavourings and fragrances) and the pharmaceutical and agrochemical industries.

This 2nd year's program aims at educating in synthetic chemistry, by putting emphasis both on the experimental aspect of this scientific field (a lot of experimental training and internship in academic or industrial laboratories) and on theoretical aspects with teaching based on the most up-to-date methods and concepts, coming from research in this field.

Registration and scholarships

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 Science, and totalize 60 ETCS

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 \(VAPP\)](#)

Would you like to apply and register ? Be aware that the procedure differs depending on the diploma, the degree obtained, or the place of residence for foreign students. Let us guide you simply by following this [link](#)

- 2 application campaigns are organized for the master 2nd year Organic synthesis :
- Campaign 1 : Open campaign on e-candidate from March 30 to April 17 2020 included
- Campaign 2 : Open campaign on e-candidate from April 27 to May 15, 2020 included

Further studies

Generally, students who want to (in particular those who have chosen the research option of the Organic synthesis program) can continue their studies with PhD study in order to become doctors in organic chemistry. Students who do not want to do a PhD (professional option of the Organic synthesis program) can either directly work or can apply for an additional master's degree, often in a school of management or business administration.

Job opportunities

According to the 2014-2015 survey, 6 responding graduates are on the labour market (in employment and job seekers). Among them, 83% are in employment 30 months after their degree.

Practicals informations :

- > Component : UFR Chimie-Biologie
- > Duration : 1 year
- > Course type : Initial and Continuing Education
- > Location(s) :

Contacts

Program director

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Administrative contact

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Program

Master 2nd year

Semester 9

UE Asymmetric synthesis	
UE Retrosynthetic strategies	
UE Green chemistry	
UE Heterocyclic chemistry	
UE Molecular modelling	3 ECTS
UE Main classes of drugs	3 ECTS
UE Chemical development, industrial processes	3 ECTS
UE Tools for business	3 ECTS
UE Supervised practical work	6 ECTS

Semester 10

UE Tools for engineers	3 ECTS
UE Internship	
UE Languages	