

## Organic and structural chemistry



ECTS  
6 crédits



Hourly volume  
80h

### Introducing

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#### Objectives

Objectives:

At the end of this module, the student will have understood and be able to explain (main concepts):

- the theory and practice of the main analytical techniques used in chemistry and biochemistry.
- the main reaction mechanisms encountered in chemistry and biology.

The student must be able to:

- solving structure of chemical compounds and simple biochemistry molecule using analytical methods: NMR, MS, IR, UV.
- Understand and explain the reaction mechanisms.
- Achieve a multidisciplinary experimental project (bibliographical search, devise a schedule of manipulation, carry out manipulations, make a presentation of the main results)

### Practical info

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#### Location(s)

Toulouse

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#### Necessary prerequisites

Necessary knowledge:

UF Chemistry - Biotechnology (I1ANCH11)  
UF Organic Chemistry (I2BECH11)  
UF Structural Biochemistry (I2BEBE11)  
UF Analytic Methods I (I2BEAN12)