



**Field: science of matter**  
**Discipline: chemistry**  
**Academic licence Degree**  
**Fundamental Chemistry**

### Objective

Chemistry is the scientific discipline that studies the composition, reactions, and properties of matter by examining the atoms that make up matter and their interactions.

The Licence Degree in Fundamental Chemistry spans three years.

- The first year (L1) is common for students of physics and chemistry.
- In the second year (L2 chemistry), the program specializes in chemistry.
- The third year (L3 fundamental chemistry) offers instruction that allows for a deeper understanding of the knowledge acquired in the first and second years and the discovery of new subjects.



The Licence Degree in Fundamental Chemistry is a comprehensive and generalist program that covers various areas of chemistry. This program allows students to acquire fundamental knowledge and skills in chemistry through a solid theoretical and practical foundation, as well as the necessary skills for further education at the Master's level at the University of Tizi-Ouzou or other universities, both in Algeria and abroad, and for various careers in Chemistry.

### Profiles and Targeted Skills:

Upon completion of the Licence Degree in Fundamental Chemistry, graduates will have acquired disciplinary skills and will be capable, among other things, of understanding the basic elements of chemistry through theory and practice, and of implementing an experimental approach (using equipment, perform a measurement, analyze the data, validate a model). They will also have acquired skills that enable them to work autonomously (set priorities, managing time, self-assessment, etc.) or to perform information research.



Licence Degree in Fundamental Chemistry allows graduates to enroll in two Master's programs at our university:

- Physical Chemistry
- Environmental Chemistry

### Regional and National Employment Opportunities:

The licence Degree in Fundamental Chemistry provides access to various professions, including:

laboratory technicians capable of working in different fields, such as:

- ✓ Industrial chemistry
  - ✓ Analytical chemistry
  - ✓ Environmental chemistry
  - ✓ Pharmaceutical chemistry, etc.
- Primary and middle school teachers in public or private schools.
  - Executive positions can be attained through further studies at the Master's level (Bac+5) and/or Doctorate level (Bac+8).