

# University of Oum El Bouaghi

## Faculty of Earth Sciences and Architecture

### Department of Geology

#### Program name: Licence's degree in Fundamental geology

- **Level: Licence.**
- **Domain: Earth Sciences and Universe**
- **Field: Geology**
- **Specialty: Fundamental geology**

#### 1. Program Description:

The choice made by the training team to obtain a licence's degree in fundamental geology is justified by the availability of human and material resources that allow good supervision of students. This formation will allow students to obtain a solid quantitative and qualitative training in geological phenomena and mineral resources. It aims to provide a solid foundational knowledge, both theoretical and practical, in the major disciplines of geology. Therefore, this training is based on the acquisition of basic knowledge in geology (general geology, tectonics, petrology, mineralogy, stratigraphy, sedimentology and paleontology) as well as more specific lessons in chemistry, physics and mathematics. The formation in the third year is linked to the scientific and knowledge acquisitions in the first and second years (level L1 and L2 geology). Students should acquire methods for studying our planet, from the Earth's

interior to great depths. The objective of the fundamental Geology course is to train students in current research methods in the geosciences and the processes associated with them.

## **2. Entry Requirements**

Those who obtained a scientific baccalaureate in mathematics, experimental sciences, and technical sciences can register in the Department of Geology or by external transfer from other universities or internal ones from pedagogical institutes and departments. The duration of the study in the preparatory stage is two years, a common core. Lessons are offered in the form of theoretical lessons, guided works and applied works, then specialization in fundamental geology in the third year.

## **3. Program Units and modules**

Each phase is organized into semesters. Each semester consists of educational units. The educational unit consists of one or more subjects. Each educational unit is assigned a coefficient and measured in credits. There are several types of educational units, basic educational units, exploratory educational units, horizontal educational units (information and foreign languages...) and methodological educational units (research techniques and completion of graduation projects). Among the most important standards taught in the core units: geology in the first year, petrologia of igneous rocks in the second year, and regional geology in the third year.

## **Other**

Students can conduct field training in economic institutions related to the specialty. Graduated students can also continue their master's studies or search for job opportunities in the field of geology.