

# University of Oum El Bouaghi

## Faculty of exact sciences and natural and life sciences

### Department of natural and life sciences

#### Program name: 2<sup>nd</sup> year Common Trunk in Biotechnologies

- **Level: Bachelor.**
- **Domain: Natural and life sciences.**
- **Field: Biotechnologies.**

#### 1. Program Description

The common trunk includes theoretical and practical lessons covering most of the basic subjects necessary in biology in addition to the general subjects essential to the experimental sciences such as biophysics and Biostatistics.

#### 2. Entry Requirements

Access to the 2<sup>nd</sup> year is open to students who have validated:

- By capitalization: the two semesters (S1 + S2) of L1 (60 credits)
- By compensation: the validation of at least 50% of L1 credits, of which at least 1/3 in a semester.

The student must re-enroll in the non-acquired subjects of the non-acquired teaching units of L1.

### 3. Program Units and subjects

#### Total Semester 3

#### Fundamental units

- **UEF 2.1.1**
  - Subject 1: Introduction to biotechnologies
  
- **UEF 2.1.2**
  - Subject 1: Biochemistry
  
  - Subject 2: Genetic

#### Methodological units

- **UEM 2.1.1**
  - Subject 1: Communication and Expression Techniques
  
- **UEM 2.1.2**
  - Subject 1: Biophysics

#### Discovery units

- **UED 2.1.1**
  - Subject 1: Environment and Sustainable Development

## Transverse units

- UET 2.1.1
  - Subject 1: University Ethics and Deontology

## Total Semester 4

## Fundamental units

- UEF 2.2.1
  - Subject 1: Biotechnology and applications
- UEF 2.2.2
  - Subject 1: Microbiology
  - Subject 2: Immunology

## Methodological units

- UEM 2.2.1
  - Subject 1: Scientific methodology and techniques for studying life
- UEM 2.2.2
  - Subject 1: Biostatistics

## Discovery units

- UED 2.2.1
  - Subject 1: General ecology

## Transverse units

- UET 2.1.1

- Subject 1: Computer science tools

## 4. Other

The training of the common trunk of the first year allows students to acquire several of the skills necessary to continue their studies in one of the second year courses, as well as to specialize in one of the specialties offered at the national level.