

University of Oum El Bouaghi

Faculty of Exact and Life Sciences

Department of Natural and Life Sciences

Program name: Bachelor's degree in Speciality

Ecology and Environment

- **Level: Bachelor**
- **Domain: Natural and Life Sciences**
- **Field: Ecology and Environment and Environment**
- **Specialty: Ecology and Environment**

1. Program Description:

The objective of the Ecology-Environment license is to offer students training in the fields of ecology, biodiversity and regional planning. Research, teaching and the management of natural resources and territories are the main opportunities for this training. This training is part of the logic of training and grades recognized in Algeria. The Environmental Ecology course is more particularly centered on continental species and environments (aquatic or terrestrial) - including those of the north east Algerian region

2. Entry Requirements

Educational Laboratories

Internship sites and in-company training

Personal workspaces

3. Program Units and modules

Total Semester 1

- General and organic chemistry
- cellular biology
- Mathematics Statistics Computer Science
- Communication and Expression Techniques 1 (in French)
- Geology
- Universal History of Biological Sciences

Total Semester 2

- Thermodynamics and chemistry of solutions
- Plant's biology
- Animal Biology
- Physical
- Communication and Expression Techniques 2
- Work methods

Total Semester 3

- Zoology
- Environment
- Sustainable development
- Genetic
- Communication and Expression Techniques

- Work methods
- Biophysics

Total Semester 4

- Botanical
- Microbiology
- Study methods and inventory of fauna and flora
- General ecology
- Biostatistics

Total Semester 5

fundamental teaching units

UEF 3.1.1(O/P)) Mesology (Characterization of the environment)

Subject 1: Bioclimatology

Subject2: Ecopedology

Subject 3: Geomorphology

UEF 3.1.2(O/P) Pathologies of ecosystems

Topic 1: Environmental Pollution

Subject 2: Analysis and protection of the environment

UEM 1: Sampling methods

Subject: Sampling Techniques and Data Analysis

UEM: Characterization of the environment

Subject: Animal and plant eco physiology

Total Semester 6

fundamental teaching units

UEF 3.2.1(O/P) Ecology of populations and communities

Subject 1: Biology of populations and organisms

Subject2: Biogeography

Subject3: Biodiversity and Global Change

Subject 4: Conservation and sustainable development

UEF2(O/P):

Specific *

Subject 1: Biostatistics

Subject 2: Technical English

4. Other

Finally, holders of the Environmental Ecology license can apply for Masters ... from the University of Oum-El-Bouaghi, other Algerian or foreign universities.