



University of Oum El Bouaghi

Master's degree in Environmental Sciences

Program Description:

Thus, through this specialty, we also plan to train students and fill the gap in terms of qualified teacher-researchers in ecology and develop lines of research that can contribute, in collaboration with vital sectors (health, industries, agronomy, agroalimentary...) to the development of the university. Structures linked to the environment, relating to the fields of surveillance, engineering or economic development (national parks, nature reserves, environment department, agricultural services department, etc.). They will be able to intervene on issues as varied as the erosion of biodiversity, global changes, chemical or physical pollution and their impact on the ecosystem and human health, but also on all aspects related to sustainable development, rehabilitation of habitats and ecosystems in general.

Modules studied in the first year :

First semester/

- Origin and operation ecosystems
- Stand study and inventory methods
- Biogeography
- Hydrochemistry and water quality
- Conservation and restoration natural environments
- Sustainable development
- Communication

Second Semester/

- Ecology of species and populations
- natural landscapes
- Protection of spaces
- Evaluation of the quality of ecosystems
- Global Change Aspects
- Biostatistics
- Legislation

Modules studied in the second year :

Third Semester/

- Eco-ethology
- Population genetics
- Biodiversity of biological entities
- Vegetation mapping
- Geographic Information System (GIS)
- Ecosystem management plans
- Entrepreneurship