

## **Master's degree in Sciences and Technology for Agriculture, Food, and Environment Biological engineering for the environment**

### **Master's degree year 1 - semester 1**

Biotechnology (6 ECTS)  
Chemistry of natural substances and analytical techniques (5 ECTS)  
Statistics (3 ECTS)  
Bioresources valorisation (3 ECTS)  
economics and management (3 ECTS)  
English (3 ECTS)  
Integrative biology: introduction (2 ECTS)  
Option (3 ECTS), choose between:  
\* Microbiology (3 ECTS)  
\* Geographical information representation and engineering (3 ECTS)  
Option (2 ECTS), choose between:  
\* Plant ecophysiology (2 ECTS)  
\* Eukaryotic cell biology (2 ECTS)  
\* Food chemistry (2 ECTS)

### **Master's degree year 1 - semester 2**

Environmental ecology (9 ECTS)  
Option (9 ECTS), choose between:  
\* Soil and water sciences (9 ECTS)  
\* Fauna, flora, and habitat (9 ECTS)  
English (3 ECTS)  
Internship (9 ECTS), including:  
\* On-site internship (3 ECTS)  
\* Laboratory internship (6 ECTS)

### **Master's degree year 2 - semester 1**

Study of ecosystems: pedology, climatology, hydrology, and geography (8 ECTS)  
Agronomy (6 ECTS)  
Agriculture and companies (3 ECTS)  
Economics (3 ECTS)  
Environmental certification and law (3 ECTS)  
Option (4 ECTS), choose between:  
\* Ecological engineering (4 ECTS)  
\* Omics in environment and ecotoxicology (4 ECTS)  
English (3 ECTS)

### **Master's degree year 2 - semester 2**

Projects management (5 ECTS)  
Internship (25 ECTS)