

## **Master's degree in Sciences and Technology for Agriculture, Food, and Environment Sanitary risk assessment**

### **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**

Food microbiological and chemical safety (9 ECTS)  
Food and chemical engineering (3 ECTS)  
Unit operations and food processing (3 ECTS)  
Legislation, regulation and technological innovation (3 ECTS)  
English (3 ECTS)  
Internship (9 ECTS)

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

Food quality and microbiological safety (5 ECTS)  
Food quality and chemical safety (5 ECTS)  
Microbiological risk assessment (4 ECTS)  
Physico-chemical risk assessment (4 ECTS)  
Epidemiology (4 ECTS)  
Food, public health, and public action (2 ECTS)  
Risk communication (3 ECTS)  
English (3 ECTS)

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

Bibliographic project (3 ECTS)  
Internship (27 ECTS)