

INSPIRING GLOBAL CHANGE SINCE 1222

SCHOOL OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE

BIOTECHNOLOGIES FOR FOOD SCIENCE

The Master's degree explores how to produce healthier and safer food following a cross-cutting, farm/field-to-fork approach. Theoretical lessons are mixed with practical training, offering hands-on experience in advanced DNA, RNA, and protein analysis together with lab sessions in bioinformatics. Focused on the application of innovative biotechnological methodologies in food production and safety, it is the ideal connection between the requests of consumers and producers in the agri-food sector and the research applied to production and food safety.



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

BIOTECHNOLOGIES FOR FOOD SCIENCE

LEVEL Master

SCHOOL Agricultural Sciences and Veterinary Medicine

DEPARTMENT Comparative Biomedicine and Food Science

DURATION 2 years (120 ECTS)

START DATE October

LOCATION Agripolis Campus, Legnaro (Padua), Italy

PROGRAMME COORDINATOR
Fabio Vianello

WEB

www.unipd.it/en/biotechnologies-food-science

APPLY.UNIPD.IT



108th 2024
Biological Sciences



ENTRY REQUIREMENTS

- Bachelor's degree (or equivalent), with proven skills in Biology, Biotechnology for the production of goods and services, ethical regulations and issues
- English language: B2 level (CEFR) or equivalent

PROGRAMME STRUCTURE

1st Year: Genetics and Molecular Biology of Agrifood Products; Agrifood Microbiology; Applied Food Biotechnology; Advanced Technologies for the Agrifood Sector (Nanotechnologies, Proteomics, Metabolomics); Genomics; Applied Bioinformatics; Laboratory of Advanced DNA, RNA, and Protein Analysis.

2nd Year: Traceability of Agrifood products; AgriFood Legislation and Regulation; Food Toxicology and Toxicogenomics;

Study plan in Food Production and Nutrition: Biotechnologies in Plant Protection; Biotechnologies for Crop Production; Study plan in Food Safety and Hygiene: Epidemiology, Biotechnology and Risk Analysis of Food-borne Diseases; Interactions between Nutrients, Host and Microbiota.

TUITION FEES AND SCHOLARSHIPS

Annual fees: up to € 2,900 (3 instalments)

Scholarships and fee-waivers for international students available: www.unipd.it/en/funding-and-fees

CAREER OPPORTUNITIES

Graduates work in private and public research centres, in public institutions dealing with animal health and food safety as well as in the private agri-food sector, from animal and crop production, to food processing and large food retail chains.