

Master in Branch Agricultural sciences

Speciality *Plant production*

This master's degree in "Plant production" is part of an approach to setting up sustainable agriculture and a competitive and quality food industry.

This specialty is an original training that deals with the entire fruit and vegetable sector from production (cultivation management, phytoprotection, post-harvest conservation) to consumption, taking into account the qualitative, nutritional, organoleptic and environmental aspects of plant production. At the Master's level, all students are required to follow three semesters of different courses and a graduation project which will be defended at the end of the fourth semester.

Field	Branch	Speciality
<i>Natural and Life Sciences</i>	Agricultural sciences	<i>Plant production</i>

First Semester

Teaching unit	Matter	Credit	Coefficient	C	TD	TP	Volume (hour)
Fundamental Unit	Plant nutrition and metabolism	6	3	1h30	1h30	1h30	67h30
	Soil-water analysis technique	4	2	1h30		1h30	45h00
	Plant-medium interaction	4	2	1h30	1h30		45h00
	Crop technical itineraries	4	2	1h30	1h30		45h00
Methodological unit	Data Analysis and Calculation Tools	5	3	3h00	1h00		60h00
	Environmental toxicology	4	2	1h30	1h30		45h00

Teaching unit	Matter	Credit	Coefficient	C	TD	TP	Volume (hour)
Discovery unit	Phytopollution	2	2	1h30	1h30		45h00
Transversale Unit	Communication	1	1	1h30			22h30

Second Semester 2

Teaching unit	Matter	Credit	Coefficient	Courses	TD	Practical Work	Volume (hour)
Fundamental Unit	Biotechnology	4	2	1h30	1h30		45h00
	Soiless culture	4	2	1h30		1h30	45h00
	Physiology of fruit development	6	3	3h00	1h30		67h30
	Crop protection	4	2	1h30	1h30		45h00
Methodological unit	Microbiology of fruits and vegetables	5	3	1h30	1h00	1h30	60h00
	Nutritional aspects and morphogenesis of fruits and vegetables	4	2	1h30		1h30	45h00
Discovery unit	Biological control	2	2	1h30	1h30		45h00
Transversale Unit	Legislation	1	1	1h30			22h30

Third Semester

Teaching unit	Matter	Credit	Coefficient	C	TD	TP	HV
Fundamental Unit	Secondary Metabolism and Regulation	4	2	1h30	1h30		45h00
	Conservation and transformation technique	4	2	1h30		1h30	45h00

Teaching unit	Matter	Credit	Coefficient	C	TD	TP	HV
	Production of seedlings and seeds	4	2	1h30	1h30		45h00
	Crop diseases	6	3	3h00	1h30		67h30
Methodological unit	Physico-chemical analysis of fruits and vegetables	5	3	1h30	1h00	1h30	60h00
	Computer science	4	2	1h30	1h30		45h00
Discovery unit	Aromatic and medicinal plants	2	2	1h30	1h30		45h00
Transversale Unit	Entrepreneurship	1	1	1h30			22h30

Semester 4

Internship in a company sanctioned by a thesis and a defense.

	VHS	Coeff	Crédits
Personal Work			
Internship in a company	250	05	10
Seminars			
Other (Supervision)	500	10	20
Total Semester 4	750	15	30