SCIENCES, TECHNOLOGIES, SANTÉ, INGÉNIERIE

Parcours Planta international

Master Biologie végétale

Niveau d'étude visé
Bac +5

ECTS
120 crédits

Durée
2 ans

Composante
UFR Chimie-Biologie

Langue(s) d'enseignement
Anglais

Présentation

PLANT-Int is proposed by University Grenoble Alpes (UGA) and Università degli Studi di Milano (UNIMI) and leads to a **double master's degree diploma** delivered by both universities. Teaching is provided in english, by **commuting between Grenoble and Milan**, with a large panel of options and internships that allow a **customized study plan** for every student.

The PLANT-Int major of the master's in biology focuses on **Plant science**. PLANT-Int trains future scientists for academic or private careers in **plant biology and plant biotechnology**.

Formation internationale : Doubles diplômes, diplômes conjoints, Erasmus Mundus, Formation tournée vers l'international

Admission

Conditions d'admission

- First year of the master's degree in Biology (Molecular and cellular biology program) : if you have completed a bachelor's degree in Sciences or are enrolled in the final semester of a bachelor's program in Sciences in France, you are eligible to apply for the first year of the master's degree in biology
- Second year of the master's degree in Biology : to be eligible to apply, you should have completed (or you should be enrolled in) a first year of a master's degree in Sciences *i.e*. you should have validated 60 ETCS of a master's degree in Sciences by the end of your current academic year.

Public continuing education : You are in charge of continuing education :

• if you resume your studies after 2 years of interruption of studies

• or if you followed training under the continuous training regime one of the previous 2 years

• or if you are an employee, job seeker, self-employed

If you do not have the diploma required to integrate the training, you can undertake a validation of personal and professional achievements (VAPP).

Candidature

ecruitment campaign : From 25th of february to 24 of march 2025 with monmaster.gouv.fr/

You want to apply and sign up for a course master ? Please be aware that the procedure differs depending on the diploma you want to take, the diploma you have already obtained and, for foreign students, your place of residence. Let us be your guide – simply follow this link

Droits de scolarité

UGA registration fees : 250 € + 103 € CVEC

Infos pratiques

Contacts

Responsable pédagogique

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Gestionnaire de scolarité

Scolarité Master Planta International

ufrchimiebiologie-master-plantint@univ-grenoble-alpes.fr

Lieu(x) ville

Grenoble

Campus

Grenoble - Domaine universitaire

Programme

Master 1re année

Semestre 7 (à l'UGA)

	Nature	CM	TD	TP	Crédits
UE Introduction to Plant development and Signaling	UE	25,5h	24,5h		6 crédits
UE Evolutionary biology of plants	UE	28,5h	16,5h		6 crédits
UE Strategies in experimental biology	UE		15h	70h	12 crédits
UE Advanced scientific english / FLE / Italian	UE		24h		3 crédits
UE Communication tools	UE	10h	14h		3 crédits
UE Business Plan of Your start-up	UE	14h	10h		3 crédits

Semestre 8 (à l'UNIMI)

	Nature	CM	TD	TP	Crédits
UE Plant development part II	UE				6 crédits
UE Plant signal transduction part II	UE				6 crédits
UE Laboratory stage	UE				6 crédits
UE Plant ecology	UE				6 crédits
UE Advanced plant cell biotechnology	UE				6 crédits
UE Plant metabolic engineering and nutrigenomics	UE				6 crédits
UE Development of crop ideotypes	UE				6 crédits
UE Molecular plant breeding and genetics	UE				6 crédits

Master 2e année

Semestre 9

	Nature	CM	TD	TP	Crédits
UE Evolution & Development of Eukaryotes	UE	22,5h	18h		6 crédits
UE Epigenetics and cell differentiation	UE	20h	20h		6 crédits
UE Chemistry and Cellular Biochemistry	UE	30h	20h		6 crédits
UE From cells to viruses : molecular genetics and epigenetics controls	UE	31,5h	13,5h	4h	6 crédits

UE Functional genomics (UNIMI)	UE				6 crédits
UE Molecular bioinformatics (UNIMI)	UE				6 crédits
UE Biostatistics, Bioinformatics, Modeling , Part II	UE	27h	12h		6 crédits
UE High throughput Biology	UE	36h			6 crédits
UE Patenting and technology transfer (UNIMI)	UE				6 crédits
UE Environmental plant biochemistry and Physiology (UNIMI)	UE				6 crédits
UE Basic statistics and Experimental Design	UE				6 crédits
UE Molecular and Cellular Imaging (UNIMI)	UE				6 crédits
UE Laboratory Methods for Biodiversity (UNIMI)	UE				6 crédits
UE Internship I	UE				12 crédits

Semestre 10

	Nature	CM	TD	TP	Crédits
UE Internship II	UE				24 crédits
UE Evolution & Development of Eukaryotes	UE	22,5h	18h		6 crédits
UE Epigenetics and cell differentiation	UE	20h	20h		6 crédits
UE Chemistry and Cellular Biochemistry	UE	30h	20h		6 crédits
UE From cells to viruses : molecular genetics and epigenetics controls	UE	31,5h	13,5h	4h	6 crédits
UE Functional genomics (UNIMI)	UE				6 crédits
UE Molecular bioinformatics (UNIMI)	UE				6 crédits
UE Biostatistics, Bioinformatics, Modeling , Part II	UE	27h	12h		6 crédits
UE High throughput Biology	UE	36h			6 crédits
UE Environmental plant biochemistry and Physiology (UNIMI)	UE				6 crédits
UE Patenting and technology transfer (UNIMI)	UE				6 crédits
UE Basic statistics and Experimental Design	UE				6 crédits
UE Molecular and Cellular Imaging (UNIMI)	UE				6 crédits
UE Laboratory Methods for Biodiversity (UNIMI)	UE				6 crédits
UE Molecular plant breeding and Genetics	UE				6 crédits