

Master Biologie végétale

Parcours Planta international

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.

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

Do you want to apply and sign up for a course ? 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.

- 1 session to apply :
- From 22 March to 18 April included

Let us be your guide – simply follow this [link](#)

Droits de scolarité

UGA registration fees : 243 € + 95 € CVEC

Infos pratiques :

- > Composante : UFR Chimie-Biologie
- > Niveau : Bac +5
- > Durée : 2 ans
- > Type de formation : Formation initiale / continue
- > Lieu : Grenoble - Domaine universitaire

Contacts

Responsable pédagogique

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Gestionnaire de scolarité

Scolarité Master Planta International
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Programme

Master 1re année

Semestre 7 (à l'UGA)

UE Introduction to Plant development and Signaling	6 ECTS
UE Evolutionary biology of plants	6 ECTS
UE Strategies in experimental biology	12 ECTS
UE Advanced scientific english / FLE / Italian	3 ECTS
1 option(s) au choix parmi 3	
UE Communication tools	3 ECTS
UE Business Plan of Your start-up	3 ECTS
UE Knowledge of Company	3 ECTS

Semestre 8 (à l'UNIMI)

UE Plant development part II	6 ECTS
UE Plant signal transduction part II	6 ECTS
UE Laboratory stage	6 ECTS
2 option(s) au choix parmi 5	
UE Plant ecology	6 ECTS
UE Advanced plant cell biotechnology	6 ECTS
UE Plant metabolic engineering and nutrigenomics	6 ECTS
UE Development of crop ideotypes	6 ECTS

UE Molecular plant breeding and genetics	6 ECTS
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Master 2e année

Semestre 9

3 option(s) au choix parmi 13

UE Evolution and development of Eukaryotes	6 ECTS
UE Epigenetics and cell differentiation	6 ECTS
UE Chemistry and Cellular Biochemistry	6 ECTS
UE Molecular Genetics and Epigenetics of the Cell	6 ECTS
UE Functional genomics (UNIMI)	6 ECTS
UE Molecular bioinformatics (UNIMI)	6 ECTS
UE Biostatistics, Bioinformatics, Modeling , Part II	6 ECTS
UE High throughput Biology	6 ECTS
UE Patenting and technology transfer (UNIMI)	6 ECTS
UE Environmental plant biochemistry and Physiology (UNIMI)	6 ECTS
UE Basic statistics and Experimental Design	6 ECTS

UE Molecular and Cellular Imaging (UNIMI)	6 ECTS
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UE Laboratory Methods for Biodiversity (UNIMI)	6 ECTS
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UE Internship I	12 ECTS
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Semestre 10

UE Internship II	24 ECTS
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1 option(s) au choix parmi 14

UE Evolution and development of Eukaryotes	6 ECTS
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UE Epigenetics and cell differentiation	6 ECTS
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UE Chemistry and Cellular Biochemistry	6 ECTS
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UE Molecular Genetics and Epigenetics of the Cell	6 ECTS
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UE Functional genomics (UNIMI)	6 ECTS
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UE Molecular bioinformatics (UNIMI)	6 ECTS
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UE Biostatistics, Bioinformatics, Modeling , Part II	6 ECTS
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UE High throughput Biology	6 ECTS
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UE Environmental plant biochemistry and Physiology (UNIMI)	6 ECTS
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UE Patenting and technology transfer (UNIMI)	6 ECTS
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UE Basic statistics and Experimental Design	6 ECTS
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UE Molecular and Cellular Imaging (UNIMI)	6 ECTS
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UE Laboratory Methods for Biodiversity (UNIMI)	6 ECTS
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UE Molecular plant breeding and Genetics	6 ECTS
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