Université de Toulouse

Faculté sciences et ingénierie Université de Toulouse

PÉRIODE D'ACCRÉDITATION : 2022 / 2026

UNIVERSITE DE TOULOUSE

SYLLABUS MASTER

Mention Functional Biology and Ecology

M1 Functional Biology and Ecology

http://www.fsi.univ-tlse3.fr/
https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS

2026 / 2027

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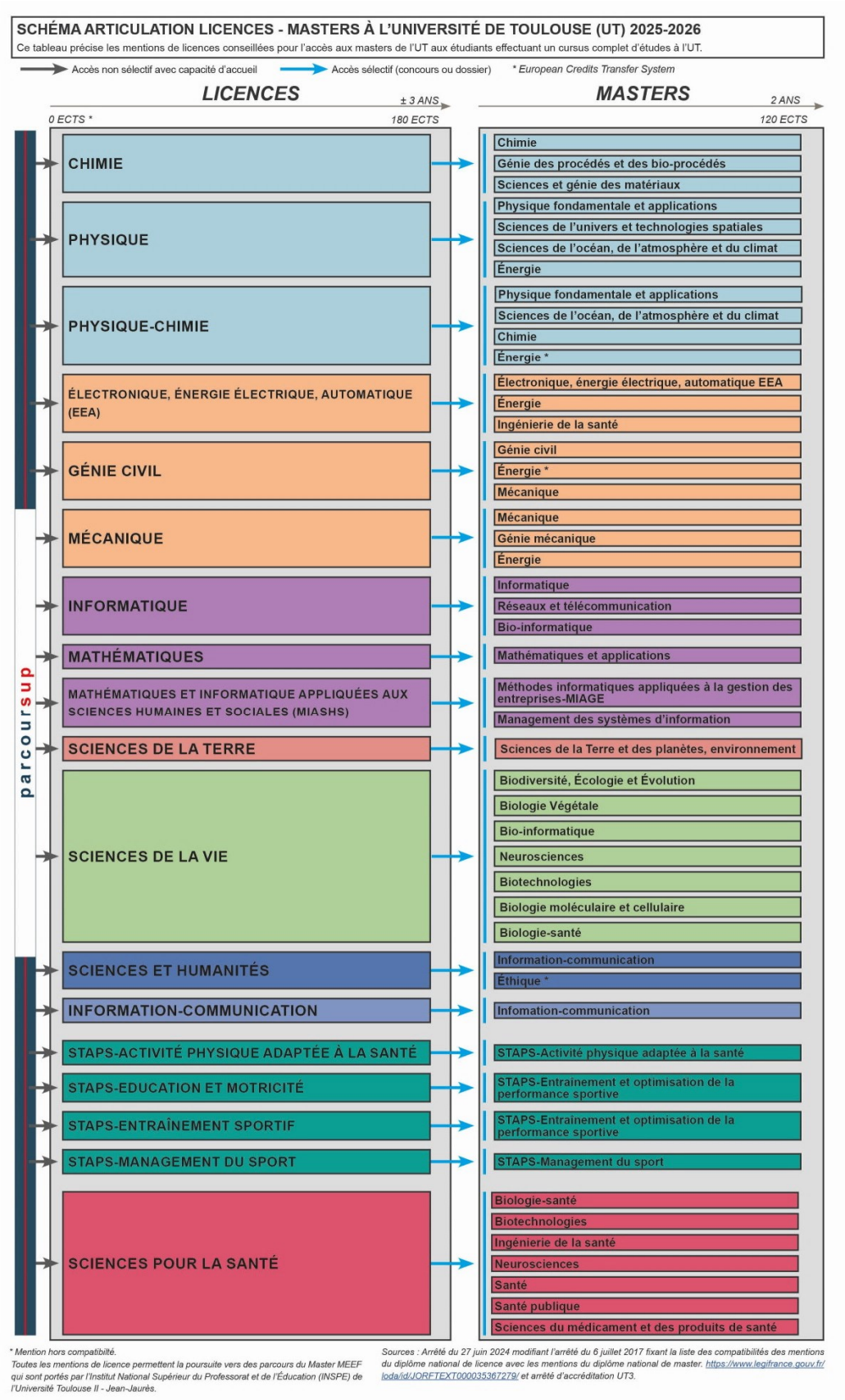
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DIAGRAM OF LINKS BETWEEN BACHELOR AND MASTER DEGREES



PRESENTATION OF THE SPECIALTY

SPECIALITY

Le Master TULIP-Graduate School est un programme sur 2 ans visant à former les futurs ingénieurs et managers de projets scientifiques dans les domaines de la sélection végétale, la protection des plantes, les études d'impacts environnementales, écosystèmes et biodiversité, dépollution. Le Master vise également à former les futurs enseignants et chercheurs académiques, de la recherche publique ou privée, dans les institutions nationales et internationales.
https ://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS

PRESENTATION OF THE YEAR OF M1 FUNCTIONAL BIOLOGY AND ECOLOGY

https ://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS

STUDY ARRANGEMENTS

https ://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS

CONTACTS SECTION

CONTACT INFORMATION CONCERNING THE SPECIALTY

PERSON IN CHARGE OF TEACHING AFFAIRS OF M1 FUNCTIONAL BIOLOGY AND ECOLOGY

GALAUD Jean-Philippe
Email : jean-philippe.galaud@utoulouse.fr Téléphone : 05 34 32 38 28

GARDES Monique
Email : monique.gardes@univ-tlse3.fr Téléphone : 05 61 55 67 54

CONTACT INFORMATION CONCERNING THE DISCIPLINE

PERSON IN CHARGE OF THE DISCIPLINE FUNCTIONAL BIOLOGY AND ECOLOGY

GALAUD Jean-Philippe
Email : jean-philippe.galaud@utoulouse.fr Téléphone : 05 34 32 38 28

CONTACT INFORMATION FOR THE DEPARTMENT : FSI.BIOGÉO

HEAD OF DEPARTMENT

LORSIGNOL-DESMET Anne
Email : anne.lorsignol@inserm.fr

DEPARTMENT SECRETARY

PUSSAULT Elsa
Email : elsa.pussault@utoulouse.fr

TABLE SUMMARIZING THE MODULES THAT MAKE UP THE TRAINING PROGRAM

page	Code	Title of the module	semestre*	ECTS	Mandatory Optional	Cours	TD	TP DE	Mentoring EUR	Stage ne
First semester										
8	KEBE7AAU	INTEGRATION WEEK	I	3	O	14	16			
	KEBE7ABU	GUIDED TOUR OF THE TULIP CONSORTIUM	I	21	O					
9		KEBE7AB1 LRSV TRAINING				20		10		
10		KEBE7AB2 EDB TRAINING				20		10		
11		KEBE7AB3 LIPM TRAINING				20		10		
12		KEBE7AB4 GBF TRAINING				20		10		
13		KEBE7AB5 SETE TRAINING				20		10		
14		KEBE7AB6 LGDP TRAINING				20		10		
15		KEBE7AB7 IHPE TRAINING				20		10		
16	KEBE7ACU	TEAM CONSTRUCTION OF THE JUNIOR LAB PROJECT	I	6	O				30	
Second semester										
17	KEBE8AAU	TEAM REALIZATION AND REPORTING OF THE JUNIOR LAB	II	30	O					15

* **AN** :year long teaching, **I** : first semester, **II** : second semester

LIST OF THE MODULES

UE	INTEGRATION WEEK	3 ECTS	1st semester
KEBE7AAU	Cours : 14h , TD : 16h	Teaching in anglais	Personal work 45 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

[Retour liste des UE]

TEACHER IN CHARGE OF THE MODULE

GALAUD Jean-Philippe
Email : jean-philippe.galaud@utoulouse.fr

GARDES Monique
Email : monique.gardes@univ-tlse3.fr

UE	GUIDED TOUR OF THE TULIP CONSORTIUM	21 ECTS	1st semester
Sous UE	LRSV TRAINING		
KEBE7AB1	Cours : 20h , TP DE : 10h	Teaching in anglais	Personal work 315 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

[Retour liste des UE]

TEACHER IN CHARGE OF THE MODULE

GALAUD Jean-Philippe
Email : jean-philippe.galaud@utoulouse.fr

GARDES Monique
Email : monique.gardes@univ-tlse3.fr

UE	GUIDED TOUR OF THE TULIP CONSORTIUM	21 ECTS	1st semester
Sous UE	EDB TRAINING		
KEBE7AB2	Cours : 20h , TP DE : 10h	Teaching in anglais	Personal work 315 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

[Retour liste des UE]

TEACHER IN CHARGE OF THE MODULE

GALAUD Jean-Philippe
Email : jean-philippe.galaud@utoulouse.fr

GARDES Monique
Email : monique.gardes@univ-tlse3.fr

UE	GUIDED TOUR OF THE TULIP CONSORTIUM	21 ECTS	1st semester
Sous UE	LIPM TRAINING		
KEBE7AB3	Cours : 20h , TP DE : 10h	Teaching in anglais	Personal work 315 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

[Retour liste des UE]

TEACHER IN CHARGE OF THE MODULE

GALAUD Jean-Philippe
Email : jean-philippe.galaud@utoulouse.fr

GARDES Monique
Email : monique.gardes@univ-tlse3.fr

UE	GUIDED TOUR OF THE TULIP CONSORTIUM	21 ECTS	1st semester
Sous UE	GBF TRAINING		
KEBE7AB4	Cours : 20h , TP DE : 10h	Teaching in anglais	Personal work 315 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

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TEACHER IN CHARGE OF THE MODULE

GALAUD Jean-Philippe
Email : jean-philippe.galaud@utoulouse.fr

GARDES Monique
Email : monique.gardes@univ-tlse3.fr

UE	GUIDED TOUR OF THE TULIP CONSORTIUM	21 ECTS	1st semester
Sous UE	SETE TRAINING		
KEBE7AB5	Cours : 20h , TP DE : 10h	Teaching in anglais	Personal work 315 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

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TEACHER IN CHARGE OF THE MODULE

GARDES Monique
Email : monique.gardes@univ-tlse3.fr

UE	GUIDED TOUR OF THE TULIP CONSORTIUM	21 ECTS	1st semester
Sous UE	LGDP TRAINING		
KEBE7AB6	Cours : 20h , TP DE : 10h	Teaching in anglais	Personal work 315 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

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UE	GUIDED TOUR OF THE TULIP CONSORTIUM	21 ECTS	1st semester
Sous UE	IHPE TRAINING		
KEBE7AB7	Cours : 20h , TP DE : 10h	Teaching in anglais	Personal work 315 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

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UE	TEAM CONSTRUCTION OF THE JUNIOR LAB PROJECT	6 ECTS	1st semester
KEBE7ACU	Mentoring EUR : 30h	Teaching in anglais	Personal work 150 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

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TEACHER IN CHARGE OF THE MODULE

GALAUD Jean-Philippe
Email : jean-philippe.galaud@utoulouse.fr

GARDES Monique
Email : monique.gardes@univ-tlse3.fr

UE	TEAM REALIZATION AND REPORTING OF THE JUNIOR LAB	30 ECTS	2nd semester
KEBE8AAU	Stage ne : 19h	Teaching in anglais	Personal work 750 h
URL	https://www.labex-tulip.fr/La-Graduate-School/Le-Master-TULIP-GS		

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GLOSSARY

GENERAL TERMS

DEPARTMENT

The departments are teaching structures within components (or faculties). They group together teachers lecturing in one or more disciplines.

MODULE

A semester is structured into modules that may be mandatory, elective (when there is a choice) or optional (extra). A module corresponds to a coherent teaching unit whose sucessful completion leads to the award of ECTS credits.

ECTS: EUROPEAN CREDITS TRANSFER SYSTEM

The ECTS is a common unit of measure of undergraduate and postgraduate university courses within Europe, created in 1989. Each validated module is thus assigned a certain number of of ECTS (30 per teaching semester). The number of ECTS depends on the total workload (lectures, tutorials, practicals, etc.) including individual work. The ECTS system aims to facilitate student mobility as well as the recognition of degrees throughout Europe.

TERMS ASSOCIATED WITH DEGREES

Degrees have associated domains, disciplines and specialities.

DOMAIN

The domain corresponds to a set of degrees from the same scientific or professional field. Most of our degrees correspond to the domain Science, Technology and Health.

DISCIPLINE

The discipline corresponds to a branch of knowledge. Most of the time a discipline consists of several specialities.

SPECIALITY

The speciality constitutes a particular thematic orientation of a discipline chosen by a student and organised as a specific trajectory with specialised modules.

TERMS ASSOCIATED WITH TEACHING

LECTURES

Lectures given to a large group of students (for instance all students of the same year group) in lecture theatres. Apart from the presence of a large number of students, lectures are characterized by the fact they are given by a teacher who defines the structure and the teaching method. Although its content is the result of a collaboration between the teacher and the rest of the educational team, each lecture reflects the view of the teacher giving it.

TD : TUTORIALS

Tutorials are work sessions in smaller groups (from 25 to 40 students depending on the department) led by a teacher. They illustrate the lectures and allow students to explore the topics deeper.

TP : PRACTICALS

Teaching methods allowing the students to acquire hands-on experience concerning the knowledge learned during lectures and tutorials, achieved through experiments. Practical classes are composed of 16 to 20 students. Some practicals may be partially supervised or unsupervised. On the other hand, certain practicals, for safety reasons, need to be closely supervised (up to one teacher for four students).

PROJECT

A project involves putting into practice in an autonomous or semi-autonomous way knowledge acquired by the student at the university. It allows the verification of the acquisition of competences.

FIELD CLASS

Field classes are a supervised teaching method consisting of putting into practice knowledge acquired outside of the university.

INTERNSHIPS

Internships are opportunities enabling students to enrich their education with hands-on experience and to apply lessons learned in the classroom to professional settings, either in industry or in research laboratories. Internships are strongly regulated and the law requires, in particular, a formal internship convention established between the student, the hosting structure and the university.


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