



Plus d'informations :

Université de Montpellier
Faculté des Sciences
Département Terre Eau Environnement
Place Eugène Bataillon
34095 Montpellier Cedex 5

Responsables :
Cédric CHAMPOLLION
cedric.champollion@umontpellier.fr

Philippe VERNANT
philippe.vernant@umontpellier.fr

Gestionnaire :
Karine ANTERRIEU
karine.anterrieu@umontpellier.fr

Site web :
<https://master-stpe.edu.umontpellier.fr>



Faculté des Sciences Montpellier



- Master IDIL - Interdisciplinary In-Lab

*AWARE Earth: Earth and water
under global change*

MASTER IDIL ?
WHAT IS IT ?



The Earth and Water Under Global Change (AWARE) master's program focuses on the impact of global changes on agro-ecological, hydrological and geological processes, as well as their consequences on socio-eco-systems and the solutions adapted to deal with these major problems. It provides students with a common foundation of cutting-edge courses, methodological and digital tools, and customized training courses dealing with the impact of climatic and anthropogenic forces on the environment and the Earth's resources. Environmental and health risks, geological risks, hydro-climatic risks and their impacts on agro-ecosystems, water resources, socio-hydrosystems or the coastal environment will also be at the heart of the transdisciplinary training offered by AWARE.

The Aware master is part of the IDIL Program (InterDisciplinary In Lab graduate program) which promotes :

- An immersive experience in research
- Personalized training
- Training in an international environment
- An innovative pedagogy
- Open to interdisciplinarity
- An opportunity to work in renowned laboratories of Montpellier



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MASTER

Master IDIL - AWARE

Program:

The IDIL AWARE graduate program aims to train students through and for research via pedagogical innovation. The IDIL-AWARE courses available are diversified and cover a wide range of disciplines in Earth and Water.

Taught entirely in English, AWARE offers students the opportunity to follow their courses through a unique structure based on four main aspects:

- Learning by doing: a strong emphasis on learning by doing, with in-lab units and a subsidized research internship in Master 1 and Master 2.
- Customized curriculum: AWARE students can tailor their course to suit their career plans and interests by selecting their courses from four different teaching units: Core, Non Core, In-lab and Transversal.
- Introduction to a new discipline: AWARE students must choose a Non Core teaching unit, which is an introductory course to a discipline in another IDIL pathway.
- Mentoring: Throughout the AWARE master, students will be coached by a researcher from the Montpellier laboratories. The mentor's role is to prepare the student for the internship, teach theory through various workshops, and develop the student's professional network.

More information on the IDIL graduate program here: <https://idil.edu.umontpellier.fr/en/>

Access conditions:

- Bachelor's degree in the field of study
- Minimum level of English B2
- CV and covering letter
- Estimated ranking in the student's class

Candidates must have a clear interest in environmental sciences and in training for research in water or earth sciences. The AWARE Master's degree is associated with the GAIA

Program structure:

Semester 1	30 ECTS	Semester 3	30 ECTS
Personal Project	10	Multi-disciplinary Project	10
2 CORE UNITS of 3 ECTS	6	4 CORE UNITS of 3 ECTS	12
2 CORE UNITS of 2 ECTS	4	1 CORE UNITS of 2 ECTS	2
2 InLab	4	1 NON-CORE UNIT	2
1 NON-CORE UNIT	2	Transversal UNITS	4
Transversal UNITS	4		
Semester 2	30 ECTS	Semester 4	30 ECTS
Internship		Internship	

Examples of CORE UNITS:

- Positioning and remote sensing
- Hydro-Geophysics
- Geodynamics and plate tectonics
- Imaging and Geophysics
- Chemicals and ecological risk
- Field training in hydrology, hydrochemistry and microbiology
- Hydrological modelling and global change
- Geothermal energy and storage
- Numerical methods for modelling and data assimilation
- Fractured reservoirs
- Fluid mechanics and thermal transfers
- Hydrodynamics
- Stochastic processes
- Ecology
- Water management for agricultural transitions

