
Master of Sciences – Water Management (WM)

Water is essential to life and is arguably our most precious resource. Without appropriate water management, whether in agriculture, industry, community development, or maintenance of a sustainable environment, we run the risk of over exploitation and contamination of this most essential commodity

This program provides the skills and knowledge required to assess, plan, execute and implement strategies for the sustainable management of water in natural, semi-natural and man-made environments. It addresses the common themes pertaining to water management in all situations, whilst allowing specialisation through the choice of one of the five specialist options.

This program is suitable for graduates with science, engineering, geography or related degrees keen to pursue careers in water management; or graduates currently in employment keen to extend their qualifications or to pursue a career change; or individuals with other qualifications who possess considerable relevant experience

The MSc Water Management Program aims to develop knowledge, insight and skills required to design, implement and evaluate water management policies and strategies to achieve effective governance of water resources. Once they have successfully completed this programme, graduates will be able to:

- describe the rationale for an integrated and interdisciplinary approach for managing the water system;
- identify and critically assess the different functions of the water resources system and the – often competing – interests of the various water users;
- design, apply and evaluate models for institutional arrangements with emphasis on institutional reforms, policy development and good governance;
- conduct, independently or in a multidisciplinary team, research.

Organisation

Duration : 2 years - ECTS : 120 credits

Bilingual Program (French and English) or Only in English

1 st YEAR	1 st Semestre	Ects	2 nd Semestre	Ects
	WM 311 - Water Law	4	WM 321 - Emergency Water Supply and Environmental Sanitation	4
	WM 312 - Water Source Engineering	4	WM 322 - Environmental Management of Rivers and Wetlands	4
	WM 313 - Group Development Workshop	4	WM 323 - Environmental Management and Risk Assessment	4
	WM 314 - Surface and Groundwater Hydrology	4	WM 324 - Dissertation Methods	4
	WM 315 - Soil Plant Environment Science	4	Choose 1 major course	9
	WM 316 - Modelling Hydrological Systems	4		
	WM 317 - Globalisation, Institutions and Natural Resource Management	4		
	LAN 318 - Language	2	Internship of 3 Months	5
60 ECTS				

2 nd YEAR	3 rd Semestre	Ects	4 th Semestre	Ects
	WM 411 - Health, Sanitation and Wastewater Treatment	4	Internship of 6 Months	30
	WM 412 - World Water and Sanitation Technology	4		
	WM 413 - Managing and Financing World Water and Wastewater	4		
	Choose 1 major course	12		
	LAN 414 - Language	2		
60 ECTS				

Choose 1 major course from the following topics:

- Municipal Water and Infrastructure
- Water Conflict Management
- Water Quality Management
- Water Resources Management
- Water Services Management

Conditions to get the degree

- Student must follow regularly all the courses - He/She had to attend their class work, project; exams required in each course - He/She must get at least 12/20
- Attend and realize Internships in company - Memory
- Student must get the TOEIC with 750 points or an equivalent in french

Tuition fee

8700 euros per year