

Course of Study Environmental Engineering (Study Cohort w18)

Sample course plan A Master Environmental Engineering (IMPEE)
Specialisation Water

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk						
1	Waste Treatment Technologies		Management of Surface Water		Study Work Water		Master Thesis							
2									Biological Waste Treatment	PBL	3	Modelling of Flow in Rivers and Estuaries	VL	3
3									Waste and Environmental Chemistry	PR	2	Nature-Oriented Hydraulic Engineering / Integrated Flood Protection	PBL	2
4														
5														
6														
7	Environmental Protection and Management		Nexus Engineering - Water, Soil, Food and Energy											
8									Health, Safety and Environmental Management	VL	2	Water & Wastewater Systems in a Global Context	VL	2
9									Health, Safety and Environmental Management	UE	1	Ecological Town Design - Water, Energy, Soil and Food Nexus	SE	2
10									Integrated Pollution Control	VL	2			
11	Sustainable Water Management and Microbiology of Water Supply		Selected Topics in Environmental Engineering (part 1)		Selected Topics in Environmental Engineering (part 2)									
12									Sustainable Water Management	PBL	2	Selection from a catalog	Selection from a catalog	
13									Microbiology of water supply	VL	2			
14	Environmental Analysis and water technology practice													
15									Environmental Analysis	VL	2	Water Protection		
16									Practical Course in Water and Wastewater Technology I	PR	2	Water Protection and Wastewater Management	VL	3
17												Water Protection and Wastewater Management	PS	3
18	Fluid Mechanics, Hydraulics and Geo-information-systems in Water Management													
19									Membrane Technology	VL	2	Membrane Technology		
20									Membrane Technology	UE	1	Membrane Technology	PR	1
21	Geo-Information-Systems in Water Management and Hydraulic Engineering	PBL	2											
22	Fluid Mechanics and Hydraulics	VL	2	Process Modeling in Water Technology										
23	Fluid Mechanics and Hydraulics	UE	1	Process Modeling in Drinking Water Treatment	PBL	2								
24				Process Modelling of Wastewater Treatment	PBL	2								
25														
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33														
Business & Management (from catalogue) - 6LP														
Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP														

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

