

Course of Study Water and Environmental Engineering (Study Cohort w14)

Sample course plan A Master Water and Environmental Engineering (WUMS)
Specialisation Cities

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	Biology, Geology and Chemistry	VL	2	Urban Environmental Management	PBL	2	Project Work Cities			Master Thesis																							
2													Environmental Analysis		Urban Infrastructures																		
3													Geology and Soil Science	VL	2	Noise Protection	VL	2															
4													Biology WUMS	VL	2																		
5																																	
6																																	
7	Sustainability and Risk Management	VL	2	Wastewater Systems	VL	2	Special Aspects of Waste Resource Management	PBL	2																								
8																Environment and Sustainability		Advanced Wastewater Treatment		International Waste Management													
9																Safety, Reliability and Risk Assessment	SE	2	Advanced Wastewater Treatment	HÜ	1	Advanced Topics in Waste Resource Management	PBL	3									
10																			Wastewater Systems - Collection, Treatment and Reuse	VL	2												
11																			Wastewater Systems - Collection, Treatment and Reuse	HÜ	1												
12																																	
13	Environmental Protection and Management	VL	2	City Planning	PBL	2	Water Resources and -Supply	VL	2																								
14																			Health, Safety and Environmental Management		Prinicples of City Planning		Chemistry of Drinking Water Treatment	HÜ	1								
15																			Exercise Health, Safety and Environmental Management	UE	1	Street Design	PBL	2	Chemistry of Drinking Water Treatment	VL	2						
16																						Water Resource Management	UE	1									
17																						Water Resource Management	VL	2									
18																						Water Resource Management	UE	1									
19	Wasterwater Treatment and Air Pollution Abatement	VL	2	Waste Treatment and Solid Matter Process Technology	VL	2	Process Modeling in Water Technology	PBL	2																								
20																						Air Pollution Abatement		Solid Matter Process Technology for Biomass		Process Modeling in Drinking Water Treatment							
21																						Biological Wastewater Treatment	VL	2	Thermal Waste Treatment	VL	2	Process Modelling of Wastewater Treatment	PBL	2			
22																									Thermal Waste Treatment	HÜ	1						
23																																	
24																																	
25	Integrated Transportation Planning	PBL	4																														
26																									Integrated Transportation Planning								
27																																	
28																																	
29																																	
30																																	
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.

