

Course of Study Water and Environmental Engineering (Study Cohort w16)

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

