

Course of Study Water and Environmental Engineering (Study Cohort w17)

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

Legend:

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 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		City Planning		Water Resources and -Supply			
14	Health, Safety and Environmental Management	VL 2	Principles 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	Solid Matter Process Technology for Biomass	VL 2	Process Modeling in Drinking Water Treatment	PBL 2		
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							
26	Integrated Transportation Planning	PBL 4						
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.