Course of Study Water and Environmental Engineering (Study Cohort w24)

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											
1	**Environmental microbiology and analytics**			**Urban Environmental Management**			**Study Work Specialisation Cities**			**Master Thesis**	
2	Environmental Analysis	VL	2	Urban Infrastructures	PBL	2					
3	Environmental microbiology	VL	2	Noise Protection	VL	2					
4											
5											
6											
7	**Sustainable Circular Economy**			**Wastewater Systems**							
8	Environment and Sustainability	VL	2	Advanced Wastewater Treatment	VL	2					
9	Circular Economy	SE	2	Advanced Wastewater Treatment	HÜ	1					
10				Biological Wastewater Treatment	VL	2					
11				Biological Wastewater Treatment	HÜ	1					
12											
13	**Integrated Transportation Planning**			**City Planning**			**Water Resources and -Supply**				
14	Integrated Transportation Planning	PBL	4	City Planning	PBL	4	Chemistry of Drinking Water Treatment	VL	2		
15							Chemistry of Drinking Water Treatment	HÜ	1		
16							Water Resource Management	VL	2		
17							Water Resource Management	GÜ	1		
18											
19				**Transportation Modelling**			**Process Modeling in Water Technology**				
20				Transportation Modelling	PBL	4	Process Modeling in Drinking Water Treatment	PBL	2		
21							Process Modelling of Wastewater Treatment	PBL	2		
22											
23											
24											
25				**Waste and Resource Management**			**Waste Treatment and Recycling**				
26				International waste concepts	VL	2	Recycling technologies and thermal waste treatment	VL	2		
27				International waste concepts	GÜ	1	Recycling technologies and thermal waste treatment	GÜ	1		
28				Waste management	PBL	3	Planning of waste treatment plants	PBL	3		
29											
30											
	Business & Management (from catalogue) - 6LP										
	Non-technical 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.