

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

Sample course plan A Master Water and Environmental Engineering (WUMS) Dual study program

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

Specialisation Cities			
1	Practical module 1 (dual study program, Master's degree)	Practical module 2 (dual study program, Master's degree)	Practical module 3 (dual study program, Master's degree)
2	Practical term 1 0	Practical term 2 0	Practical term 3 0
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10			
11	Environmental microbiology and analytics	Urban Environmental Management	Study Work Specialisation Cities
12	Environmental Analysis VL 2	Urban Infrastructures PBL 2	
13	Environmental microbiology VL 2	Noise Protection VL 2	
14			
15			
16			
17	Sustainable Circular Economy	Wastewater Systems	
18	Environment and Sustainability VL 2	Advanced Wastewater Treatment VL 2	
19	Circular Economy SE 2	Advanced Wastewater Treatment HÜ 1	
20		Biological Wastewater Treatment VL 2	
21		Biological Wastewater Treatment HÜ 1	
22			
23	Integrated Transportation Planning	City Planning	Water Resources and -Supply
24	Integrated Transportation Planning PBL 4	City Planning PBL 4	Chemistry of Drinking Water Treatment VL 2
25			Chemistry of Drinking Water Treatment HÜ 1
26			Water Resource Management VL 2
27			Water Resource Management GÜ 1
28			
29		Transportation Modelling	Process Modeling in Water Technology
30		Transportation Modelling PBL 4	Process Modeling in Drinking Water Treatment PBL 2
31			Process Modelling of Wastewater Treatment PBL 2
32			
33			
34			
35		Waste and Resource Management	Waste Treatment and Recycling
36		International waste concepts VL 2	Recycling technologies and thermal waste treatment VL 2
37		International waste concepts GÜ 1	Recycling technologies and thermal waste treatment GÜ 1
38		Waste management PBL 3	Planning of waste treatment plants PBL 3
39			
40			
Business & Management (from catalogue) - 6LP			
Linking theory and practice (dual study program, Master's degree) (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.

