

Course of Study Water and Environmental Engineering (Study Cohort w20)

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
9									Safety, Reliability and Risk Assessment	SE	2	Advanced Wastewater Treatment	HÜ	1
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	City Planning	PBL	4
15									Health, Safety and Environmental Management	UE	1	Chemistry of Drinking Water Treatment	VL	2
16									Integrated Pollution Control	VL	2	Chemistry of Drinking Water Treatment	HÜ	1
17												Water Resource Management	VL	2
18				Water Resource Management	UE	1								
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
21									Biological Wastewater Treatment	VL	2	Thermal Waste Treatment	VL	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														
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.

