

# Course of Study Water and Environmental Engineering (Study Cohort w22)

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

Specialisation Cities													
1	<b>Biology, Geology and Chemistry</b> Environmental Analysis Geology and Soil Science Biology	VL	2	<b>Practical module 2 (dual study program, Master's degree)</b> Practical term 2	0	<b>Practical module 3 (dual study program, Master's degree)</b> Practical term 3	0	<b>Master thesis (dual study program)</b>					
2		VL	2										
3		VL	2										
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7	<b>Sustainability and Risk Management</b> Environment and Sustainability Safety, Reliability and Risk Assessment	VL	2	<b>Urban Environmental Management</b> Urban Infrastructures Noise Protection	PBL 2 VL 2	<b>Study Work Cities</b>							
8		SE	2										
9													
10													
11	<b>Practical module 1 (dual study program, Master's degree)</b> Practical term 1		0	<b>Wastewater Systems</b> Advanced Wastewater Treatment Advanced Wastewater Treatment Wastewater Systems - Collection, Treatment and Reuse Wastewater Systems - Collection, Treatment and Reuse	VL 2 HÜ 1 VL 2 HÜ 1	<b>Special Aspects of Waste Resource Management</b> International Waste Management Advanced Topics in Waste Resource Management	PBL 2 PBL 3						
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23	<b>Environmental Protection and Management</b> Health, Safety and Environmental Management Health, Safety and Environmental Management Integrated Pollution Control	VL	2	<b>City Planning</b> City Planning	PBL 4	<b>Water Resources and -Supply</b> Chemistry of Drinking Water Treatment Chemistry of Drinking Water Treatment Water Resource Management Water Resource Management	VL 2 HÜ 1 VL 2 GÜ 1						
24		GÜ	1										
25		VL	2										
26													
27													
28													
29	<b>Wastewater Treatment and Air Pollution Abatement</b> Air Pollution Abatement Biological Wastewater Treatment	VL	2	<b>Waste Treatment and Solid Matter Process Technology</b> Solid Matter Process Technology for Biomass Thermal Waste Treatment Thermal Waste Treatment	VL 2 VL 2 HÜ 1	<b>Process Modeling in Water Technology</b> Process Modeling in Drinking Water Treatment Process Modelling of Wastewater Treatment	PBL 2 PBL 2						
30		VL	2										
31													
32													
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35	<b>Integrated Transportation Planning</b> Integrated Transportation Planning	PBL	4										
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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.

