

Course of Study Water and Environmental Engineering (Study Cohort w21)

Sample course plan B Master Water and Environmental Engineering (WUMS)

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

Specialisation Environment			
1	Biology, Geology and Chemistry		Electrical Energy from Solar Radiation and Wind Power
2	Environmental Analysis VL 2		Sustainability Management VL 2
3	Geology and Soil Science VL 2		Wind Turbine Plants VL 2
4	Biology VL 2		Wind Energy Use - Focus Offshore VL 1
5			Hydro Power Use VL 1
6			
7	Sustainability and Risk Management		Waste Treatment and Solid Matter Process Technology
8	Environment and Sustainability VL 2		Solid Matter Process Technology for Biomass VL 2
9	Safety, Reliability and Risk Assessment SE 2		Thermal Waste Treatment VL 2
10			Thermal Waste Treatment HÜ 1
11			
12			
13	Water Protection		Management of Surface Water
14	Water Protection and Wastewater Management VL 3		Modelling of Flow in Rivers and Estuaries VL 3
15	Water Protection and Wastewater Management PS 3		Nature-Oriented Hydraulic Engineering / Integrated Flood Protection PBL 2
16			
17			
18			
19	Environmental Protection and Management		Advanced Vadose Zone Hydrology
20	Health, Safety and Environmental Management VL 2		Vadose Zone Hydrology VL 2
21	Health, Safety and Environmental Management GÜ 1		Vadose Zone Hydrology HÜ 2
22	Integrated Pollution Control VL 2		Modeling Processes in Vadose Zone VL 1
23			Modeling Processes in Vadose Zone GÜ 1
24			
25	Wastewater Treatment and Air Pollution Abatement		
26	Air Pollution Abatement VL 2		
27	Biological Wastewater Treatment VL 2		
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.

