

Course of Study Environmental Engineering (Study Cohort w23)

Sample course plan A Master Environmental Engineering (IMPEE)

Specialisation Energy and Resources

	Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory	
	Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement	
1	Waste Treatment Technologies		Urban Environmental Management		
2	Biological Waste Treatment PBL 3		Urban Infrastructures PBL 2	Master Thesis	
3	Waste and Environmental Chemistry PR 2		Noise Protection VL 2		
4					
5					
6					
7	Sustainable Water Management and Microbiology of Water Systems		Geochemical Engineering		
8	Sustainable Water Management PBL 2		Geochemical Engineering VL 2		
9	Microbiology of water systems VL 2		Contaminated Sites and Landfilling VL 2		
10			Contaminated Sites and Landfilling HÜ 1		
11					
12					
13	Environmental Analysis and Water Technology Practice		Nexus Engineering - Water, Soil, Food and Energy		
14	Environmental Analysis VL 2		Water & Wastewater Systems in a Global Context VL 2		
15	Practical Course in Water and Wastewater Technology I PR 3		Ecological Town Design - Water, Energy, Soil and Food Nexus SE 2		
16			Bioresource Management VL 2		
17			Bioresource Management GÜ 1		
18			Biorefinery Technology VL 2		
19	Fluid Mechanics, Hydraulics and Geo-Information-Systems in Water Management		Applied optimization in energy and process engineering		
20	Geo-Information-Systems in Water Management and Hydraulic Engineering PBL 2		Applied optimization in energy and process engineering IV 2		
21	Fluid Mechanics and Hydraulics VL 2		Applied optimization in energy and process engineering GÜ 2		
22	Fluid Mechanics and Hydraulics GÜ 1		Waste Treatment and Recycling VL 2		
23			Recycling technologies and thermal waste treatment GÜ 1		
24			Recycling technologies and thermal waste treatment PBL 3		
25	Subsurface Processes				
26	Subsurface Solute Transport VL 2				
27	Subsurface Solute Transport HÜ 1				
28	Modeling of Subsurface Processes GÜ 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.

