

Course of Study Environmental Engineering (Study Cohort w18)

Sample course plan B Master Environmental Engineering (IMPEE)
Specialisation Waste and Energy

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	Waste Treatment Technologies		Geochemical Engineering		Study Work Waste and Energy		Master Thesis	
2	Biological Waste Treatment	PBL 3	Geochemical Engineering	VL 2				
3	Waste and Environmental Chemistry	PR 2	Contaminated Sites and Landfilling	VL 2				
4			Contaminated Sites and Landfilling	HÜ 1				
5								
6								
7	Environmental Protection and Management		Technical Microbiology					
8	Health, Safety and Environmental Management	VL 2	Applied Molecular Biology	VL 2				
9	Health, Safety and Environmental Management	UE 1	Technical Microbiology	VL 2				
10	Health, Safety and Environmental Management	UE 1	Technical Microbiology	HÜ 1				
11	Integrated Pollution Control	VL 2						
12								
13	Sustainable Water Management and Microbiology of Water Supply		Selected Topics in Environmental Engineering (part 1)		Selected Topics in Environmental Engineering (part 2)			
14	Sustainable Water Management	PBL 2	Selection from a catalog		Selection from a catalog			
15	Microbiology of water supply	VL 2						
16			Waste and Energy		Special Aspects of Waste Resource Management			
17			Waste Recycling Technologies	VL 2	International Waste Management	PBL 2		
18			Waste Recycling Technologies	UE 1	Advanced Topics in Waste Resource Management	PBL 3		
19	Environmental Analysis and water technology practice		Waste to Energy	PBL 2				
20	Environmental Analysis	VL 2						
21	Practical Course in Water and Wastewater Technology I	PR 2			Wastewater Treatment and Air Pollution Abatement			
22					Air Pollution Abatement	VL 2		
23					Biological Wastewater Treatment	VL 2		
24								
25	Fluid Mechanics, Hydraulics and Geo-information-systems in Water Management							
26	Geo-Information-Systems in Water Management and Hydraulic Engineering	PBL 2						
27	Fluid Mechanics and Hydraulics	VL 2						
28	Fluid Mechanics and Hydraulics	UE 1						
29								
30								
Business & Management (from catalogue) - 6LP								
Nontechnical Elective Complementary 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.

