

# Course of Study Environmental Engineering (Study Cohort w22)

Sample course plan B Master Environmental Engineering (IMPEE) Dual study program

## Specialisation Waste and Energy

	Semester 2			Semester 3			Semester 4			
	Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk		
1	<b>Waste Treatment Technologies</b>			<b>Practical module 2 (dual study program, Master's degree)</b>			<b>Practical module 3 (dual study program, Master's degree)</b>			<b>Master thesis (dual study program)</b>
2	Biological Waste Treatment	PBL	3	Practical term 2		0	Practical term 3		0	
3	Waste and Environmental Chemistry	PR	2							
4										
5										
6										
7	<b>Environmental Protection and Management</b>									
8	Health, Safety and Environmental Management	VL	2							
9	Health, Safety and Environmental Management	GÜ	1							
10	Integrated Pollution Control	VL	2							
11										
12										
13	<b>Sustainable Water Management and Microbiology of Water Systems</b>			<b>Geochemical Engineering</b>			<b>Study Work Waste and Energy</b>			
14	Sustainable Water Management	PBL	2	Geochemical Engineering	VL	2				
15	Microbiology of water systems	VL	2	Contaminated Sites and Landfilling	VL	2				
16				Contaminated Sites and Landfilling	HÜ	1				
17										
18										
19	<b>Environmental Analysis and water technology practice</b>			<b>Technical Microbiology</b>						
20	Environmental Analysis	VL	2	Applied Molecular Biology	VL	2				
21	Practical Course in Water and Wastewater Technology I	PR	3	Technical Microbiology	VL	2				
22				Technical Microbiology	HÜ	1				
23										
24										
25	<b>Fluid Mechanics, Hydraulics and Geo-information-systems in Water Management</b>			<b>Selected Topics in Environmental Engineering (part 1)</b>			<b>Selected Topics in Environmental Engineering (part 2)</b>			
26	Geo-Information-Systems in Water Management and Hydraulic Engineering	PBL	2	Selection from a catalog			Selection from a catalog			
27	Fluid Mechanics and Hydraulics	VL	2							
28	Fluid Mechanics and Hydraulics	GÜ	1							
29										
30										
31	<b>Practical module 1 (dual study program, Master's degree)</b>			<b>Waste and Energy</b>			<b>Special Aspects of Waste Resource Management</b>			
32	Practical term 1		0	Waste Recycling Technologies	VL	2	International Waste Management	PBL	2	
33				Waste Recycling Technologies	GÜ	1	Advanced Topics in Waste Resource Management	PBL	3	
34				Waste to Energy	PBL	2				
35										
36										
37										
38										
39										
40										
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.

