

Course of Study Environmental Engineering (Study Cohort w22)

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

		Core Qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory	
Specialisation Biotechnology		Core Qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement	
		Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk
1	Waste Treatment Technologies			Practical module 2 (dual study program, Master's degree)		Practical module 3 (dual study program, Master's degree)		Master thesis (dual study program)	
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	Environmental Protection and Management								
8	Health, Safety and Environmental Management	VL	2						
9	Health, Safety and Environmental Management	GÜ	1						
10	Integrated Pollution Control	VL	2						
11									
12				Geochemical Engineering		Study Work Biotechnology			
13	Sustainable Water Management and Microbiology of Water Systems			Geochemical Engineering	VL 2				
14	Sustainable Water Management	PBL	2	Contaminated Sites and Landfilling	VL 2				
15	Microbiology of water systems	VL	2	Contaminated Sites and Landfilling	HÜ 1				
16									
17									
18				Technical Microbiology					
19	Environmental Analysis and water technology practice			Applied Molecular Biology	VL 2				
20	Environmental Analysis	VL	2	Technical Microbiology	VL 2				
21	Practical Course in Water and Wastewater Technology I	PR	3	Technical Microbiology	HÜ 1				
22									
23				Selected Topics in Environmental Engineering (part 1)		Selected Topics in Environmental Engineering (part 2)			
24				Selection from a catalog		Selection from a catalog			
25	Fluid Mechanics, Hydraulics and Geo-information-systems in Water Management								
26	Geo-Information-Systems in Water Management and Hydraulic Engineering	PBL	2	Bioprocess and Biosystems Engineering		Biocatalysis			
27	Fluid Mechanics and Hydraulics	VL	2	Bioreactor Design and Operation	VL 2	Technical Biocatalysis	VL 2		
28	Fluid Mechanics and Hydraulics	GÜ	1	Biosystems Engineering	VL 2	Biocatalysis and Enzyme Technology	VL 2		
29				Bioreactors and Biosystems Engineering	PBL 1				
30									
31	Practical module 1 (dual study program, Master's degree)					Bioreources and Biorefineries			
32	Practical term 1		0			Bioreource Management	VL 2		
33						Bioreource Management	GÜ 1		
34						Biorefinery Technology	VL 2		
35						Biorefinery Technologie	GÜ 1		
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.

