

Course of Study Environmental Engineering (Study Cohort w21)

Sample course plan C Master Environmental Engineering (IMPEE)

		Core qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory							
		Core qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement							
Specialisation Biotechnology		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 Biotechnology				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	GÜ	1	Technical Microbiology	VL	2									
10	Integrated Pollution Control	VL	2	Technical Microbiology	HÜ	1									
11															
12															
13	Sustainable Water Management and Microbiology of Water Systems			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 systems	VL	2												
16				Bioprocess and Biosystems Engineering				Biocatalysis							
17				Bioreactor Design and Operation	VL	2		Technical Biocatalysis	VL	2					
18				Biosystems Engineering	VL	2		Biocatalysis and Enzyme Technology	VL	2					
19				Bioreactors and Biosystems Engineering	PBL	1									
19	Environmental Analysis and water technology practice														
20	Environmental Analysis	VL	2												
21	Practical Course in Water and Wastewater Technology I	PR	2												
22															
23															
24															
25															
25	Fluid Mechanics, Hydraulics and Geo-information-systems in Water Management							Bioreources and Biorefineries							
26	Geo-Information-Systems in Water Management and Hydraulic Engineering	PBL	2					Bioresource Management	VL	2					
27	Fluid Mechanics and Hydraulics	VL	2					Bioresource Management	GÜ	1					
28	Fluid Mechanics and Hydraulics	GÜ	1					Biorefinery Technology	VL	2					
29								Biorefinery Technologie	GÜ	1					
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.

