

Course of Study Environmental Engineering (Study Cohort w16)

Sample course plan C Master Environmental Engineering (IMPEE)
Specialisation Biotechnology

Legend:

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 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			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		Biocatalysis			
14			Selection from a catalog		Technical Biocatalysis	VL 2		
15	Sustainable Water Management	PBL 2			Biocatalysis and Enzyme Technology	VL 2		
16	Microbiology of water supply	VL 2						
17								
18								
19	Environmental Analysis and water technology practise				Bioresources and Biorefineries			
20					Bioresource Management	VL 2		
21	Environmental Analysis	VL 2			Bioresource Management	UE 1		
22	Practical Course in Water and Wastewater Technology I	PR 2	Bioprocess and Biosystems Engineering		Biorefinery Technology	VL 2		
23			Bioreactor Design and Operation	VL 2	Biorefinery Technologie	UE 1		
24			Bioreactor Design and Operation	PR 1				
25	Fluid Mechanics, Hydraulics and Geo-information-systems in Water Management		Biosystems Engineering	VL 2				
26			Biosystems Engineering	PBL 1				
27	Geo-Information-Systems in Water Management and Hydraulic Engineering	PBL 2						
28	Fluid Mechanics and Hydraulics	VL 2						
29	Fluid Mechanics and Hydraulics	UE 1						
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.

