

# Course of Study Environmental Engineering (Study Cohort w14)

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	<b>Waste Treatment Technologies</b>		<b>Wastewater Systems and Reuse (part 2)</b>		<b>Project Work Biotechnology</b>		<b>Master Thesis</b>	
2	Biological Waste Treatment	PBL 3	Wastewater Systems - Collection, Treatment and Reuse	VL 2				
3	Waste and Environmental Chemistry	PR 2	Wastewater Systems - Collection, Treatment and Reuse	HÜ 1				
4			<b>Geochemical Engineering</b>					
5			Geochemical Engineering	VL 2				
6			Contaminated Sites and Landfilling	VL 2				
7	<b>Environmental Protection and Management</b>		Contaminated Sites and Landfilling	HÜ 1				
8	Health, Safety and Environmental Management	VL 2						
9	Exercise Health, Safety and Environmental Management	UE 1	<b>Technical Microbiology</b>					
10	Integrated Pollution Control	VL 2	Applied Molecular Biology	VL 2				
11			Technical Microbiology	VL 2				
12			Technical Microbiology	HÜ 1				
13	<b>Practical Course in Water and Wastewater Technology</b>				<b>Selected Topics in Environmental Engineering (part 2)</b>			
14	Practical Course in Water and Wastewater Technology I	PR 2			Selection from a catalog			
15	Practical Course of Wastewater Technology II	PR 3	<b>Selected Topics in Environmental Engineering (part 1)</b>		<b>Biocatalysis</b>			
16			Selection from a catalog		Technical Biocatalysis	VL 2		
17					Biocatalysis and Enzyme Technology	VL 2		
18			<b>Bioprocess and Biosystems Engineering</b>					
19	<b>Special areas of environmental protection</b>		Bioreactor Design and Operation	VL 2				
20	Environmental Analysis	VL 2	Bioreactor Design and Operation	PR 1				
21	Fluid Mechanics and Hydraulics	VL 3	Biosystems Engineering	VL 2	<b>Bioresources and Biorefineries</b>			
22			Biosystems Engineering	PBL 1	Bioresource Management	VL 2		
23					Bioresource Management	UE 1		
24					Biorefinery Technology	VL 2		
25	<b>Wastewater Systems and Reuse (part 1)</b>				Biorefinery Technologie	UE 1		
26	Sustainable Water Management	PBL 2						
27								
28								
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.

