## Course of Study Environmental Engineering (Study Cohort w23)

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

Specialisation Energy and Resources							
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)	
	Biological Waste Treatment	PBL 3		Practical term 2 0	Practical term 3 0		
2	Waste and Environmental Chemistry	PR 2					
3							
4							
5							
6							
7	Sustainable Water Management and Microbiology of Water Systems						
	Sustainable Water Management and Microbiology of water Systems	PBL 2					
8	Microbiology of water systems	VL 2					
9	Merobiology of Water Systems						
10							
11				Urban Environmental Management	Study work Energy and Ressources		
12				Urban Infrastructures PBL 2			
13	Environmental Analysis and Water Technology Practice			Noise Protection VL 2			
	Environmental Analysis and water rechnology Practice	VL 2					
14	Practical Course in Water and Wastewater Technology I	PR 3					
15		5					
16							
17				Geochemical Engineering			
18				Geochemical Engineering VL 2			
19	Fluid Mechanics, Hydraulics and Geo-Information-Systems in Water	Management	t.	Contaminated Sites and Landfilling VL 2			
	Geo-Information-Systems in Water Management and Hydraulic	PBL 2		Contaminated Sites and Landfilling HÜ 1			
20	Engineering						
21	Fluid Mechanics and Hydraulics	VL 2					
22	Fluid Mechanics and Hydraulics	GÜ 1					
23				Nexus Engineering - Water, Soil, Food and Energy	Bioresource Management VL 2		
24				Water & Wastewater Systems in a Global Context VL 2   Ecological Town Design - Water, Energy, Soil and Food Nexus SE 2	Bioresource Management     VL     2       Bioresource Management     GÜ     1		
25	Subsurface Processes			Ecological fown Design - water, Energy, Son and Food Nexus SE 2	Biorefinery Technology VL 2		
26	Subsurface Solute Transport	VL 2			Biorefinery Technology GÜ 1		
	Subsurface Solute Transport	HŪ 1					
27	Modeling of Subsurface Processes	GÜ 3					
28							
29				Applied optimization in energy and process environment	Waste Treatment and Recycling		
				Applied optimization in energy and process engineering     IV     2	Waste Treatment and Recycling       Recycling technologies and thermal waste treatment     VL     2		
30				Applied optimization in energy and process engineering 1V 2 Applied optimization in energy and process engineering GÜ 2	Recycling technologies and thermal waste treatment VL 2 Recycling technologies and thermal waste treatment GÜ 1		
31	Practical module 1 (dual study program, Master's degree)			- print training on process engineering 00 2	Planning of waste treatment plants PBL 3		
32	Practical term 1	0					
33							
34							
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40							
	Business & Management (from catalogue) - 6LP						
	Linking theory and practice (dual study program, Master's degree) (from catalogue) - 6LP						

Focus Compulsory

Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory

Thesis Compulsory

Interdisciplinary complement

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.