

Course of Study Energy and Environmental Engineering (Study Cohort w17)

Sample course plan C Master Energy and Environmental Engineering (EUTMS)
Specialisation Energy and Environmental Engineering, Specialisation Energy Engineering, Specialisation Environmental Engineering

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	Transport Processes			Practical Course on Energy and Environmental Engineering			Seminar energy and environmental engineering			Master Thesis		
2	Heat & Mass Transfer in Process	VL	2	Practical Course on Energy and Environmental Engineering	PR	6	Seminar energy and environmental engineering	SE	6			
3	Engineering											
4	Multiphase Flows	VL	2									
5	Reactor Design Using Local Transport Processes	PBL	2									
6												
7	Fluid Mechanics in Process Engineering						Steam Generators				Membrane Technology	
8	Fluid Mechanics II	VL	2	Steam Generators	VL	3	Membrane Technology	VL	2			
9	Applications of Fluid Mechanics in Process Engineering	HÜ	2	Steam Generators	HÜ	1	Membrane Technology	UE	1			
10							Membrane Technology	PR	1			
11												
12												
13	Water Resources and -Supply			Wastewater Systems			Bioenergy					
14	Chemistry of Drinking Water Treatment	VL	2	Advanced Wastewater Treatment	VL	2	Biofuels Process Technology	VL	1			
15	Chemistry of Drinking Water Treatment	HÜ	1	Advanced Wastewater Treatment	HÜ	1	Biofuels Process Technology	UE	1			
16	Water Resource Management	VL	2	Wastewater Systems - Collection, Treatment and Reuse	VL	2	Thermal Utilization of Biomass	VL	2			
17	Water Resource Management	UE	1	Wastewater Systems - Collection, Treatment and Reuse	HÜ	1	Thermal Utilization of Biomass	UE	1			
18							World Market for Commodities from Agriculture and Forestry	VL	1			
19	Thermal Engineering						Electrical Power Systems I					
20	Thermal Engineering	VL	3				Electrical Power Systems I	VL	3			
21	Thermal Engineering	HÜ	1				Electrical Power Systems I	HÜ	2			
22												
23												
24												
25	Environmental Protection and Management						Particle Technology and Solid Matter Process Technology					
26	Health, Safety and Environmental Management	VL	2				Advanced Particle Technology II	VL	2			
27	Health, Safety and Environmental Management	UE	1				Advanced Particle Technology II	PBL	1			
28	Health, Safety and Environmental Management						Experimental Course Particle Technology	PR	3			
29	Integrated Pollution Control	VL	2									
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.