

Course of Study Energy and Environmental Engineering (Study Cohort w18)

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 Engineering	VL 2	Practical Course on Energy and Environmental Engineering	PR 6	Seminar energy and environmental engineering	SE 6		
3	Multiphase Flows	VL 2						
4	Reactor Design Using Local Transport Processes	PBL 2						
5								
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								
20	Thermal Engineering				Electrical Power Systems I: Introduction to Electrical Power Systems			
21	Thermal Engineering	VL 3			Electrical Power Systems I: Introduction to Electrical Power Systems	VL 3		
22	Thermal Engineering	HÜ 1			Electrical Power Systems I: Introduction to Electrical Power Systems	HÜ 2		
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					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.

