

Legen

Core qualification
Compulsory

Focus Compulsory

Thesis 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	Fluid Mechanics and Ocean Energy	VL	2	Dimensioning and Assessment of Renewable Energy Systems (part 2)	SE	2	Thermal Engineering	VL	3	Master Thesis																	
2													Fluid Mechanics II			Heat Provision from Renewable Sources of Energy			Thermal Engineering								
													Energy from the Ocean						Thermal Engineering								
3																											
4																											
5																											
6																											
7	Electrical Power Systems I	HÜ	2	Electricity Generation from Wind and Hydro Power	VL	1	Examples in Solid Process Engineering	VL	2																		
8																Wind Turbine Plants			Renewable Energy Projects in Emerged Markets			Fluidization Technology					
9																Wind Energy Use - Focus Offshore						Technical Applications of Particle Technology					
10																Hydro Power Use						Practical Course Fluidization Technology					
11																						Exercises in Fluidization Technology					
12																											
13	Bioenergy	VL	2	Use of Solar Energy	UE	1	Wastewater Treatment and Air Pollution Abatement	VL	2																		
14																Solar Power Generation			Collector Technology			Air Pollution Abatement					
15																Radiation and Optic						Biological Wastewater Treatment					
16																Radiation and Optic											
17																											
18																											
19	Energy Projects and their Assessment	VL	2	System Aspects of Renewable Energies	VL	2																					
20																Energy Trading			Deep Geothermal Energy								
21																Energy Trading											
22																Thermal Utilization of Biomass			Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage								
23																World Market for Agricultural Commodities											
24																											
25	Modeling and technical design of biorefinery processes	PK	2	Dimensioning and Assessment of Renewable Energy Systems (part 1)	SE	2																					
26																			CAPE in Energy Engineering			Electricity Generation from Renewable Sources of Energy					
27																			Biorefineries - Technical Design and Optimization			Environmental Technology and Energy Economics					
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.