

### 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	<b>Fluid Mechanics and Ocean Energy</b>	VL	2	<b>Dimensioning and Assessment of Renewable Energy Systems (part 2)</b>	SE	2	<b>Thermal Engineering</b>	VL	3	<b>Master Thesis</b>											
2													Fluid Mechanics II			Heat Provision from Renewable Sources of Energy			Thermal Engineering		
													Energy from the Ocean						Thermal Engineering		
3																					
4																					
5																					
6																					
7	<b>Electrical Power Systems I</b>	HÜ	2	<b>Electricity Generation from Wind and Hydro Power</b>	VL	1	<b>Examples in Solid Process Engineering</b>	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	<b>Bioenergy</b>	VL	2	<b>Use of Solar Energy</b>	UE	1	<b>Wastewater Treatment and Air Pollution Abatement</b>	VL	2												
14										Sustainable Mobility			Collector Technology			Air Pollution Abatement					
15																Biological Wastewater Treatment					
16										Biofuels Process Technology											
17										Biofuels Process Technology											
18										Thermal Utilization of Biomass											
19	<b>Energy Projects and their Assessment</b>	VL	2	<b>System Aspects of Renewable Energies</b>	VL	2															
20										World Market for Agricultural Commodities			Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage								
21													Deep Geothermal Energy								
22																					
23																					
24																					
25	<b>Modeling and technical design of biorefinery processes</b>	PS	1	<b>Dimensioning and Assessment of Renewable Energy Systems (part 1)</b>	PK	2															
26										Economics of an Energy Provision from Renewables			CAPE in Energy Engineering								
27										Economics of an Energy Provision from Renewables			Biorefineries - Technical Design and Optimization								
28										Sustainability Management											
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.