

Legend:

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>Bioenergy and Logistics (part 2)</b>	PS	2	<b>Electrical Energy Technology</b>	VL	2	<b>Master Thesis</b>													
2											Fluid Mechanics II												
3											Energy from the Ocean	VL	2	<b>Electricity Generation from Wind and Hydro Power</b>	Grid Integration and Electrical Energy Storage	VL	2						
4													Wind Turbine Plants		VL	2	Electrical Energy Transmission and Distribution	VL	2				
5													Wind Energy Use – Focus Offshore		VL	1							
6													Hydro Power Use		VL	1	<b>Thermal Engineering</b>						
7	<b>Projects and their Assessment</b>	Development of Renewable Energy Projects	VL	2	Renewable Energy Projects in Emerged Markets	PS	1	Thermal Engineering	VL		3												
8		SE	2	<b>Use of Solar Energy</b>	VL	2	Thermal Engineering	HÜ	1														
9							Legal Aspects Related to the Use of Renewable Sources of Energy																
10							Economics of an Energy Provision from Renewables	VL	1		Solar Power Generation	VL	2										
11									Radiation and Optic		VL	1											
12							Economics of an Energy Provision from Renewables	PS	1		Radiation and Optic	UE	1										
13								Collector Technology	VL		2	<b>Electric Power Systems I</b>											
14	Sustainability Management	VL	2	Electric Power Systems I	VL	3																	
15	<b>Bioenergy and Logistics (part 1)</b>	VL	2	<b>System Aspects of Renewable Energies</b>	VL	1	Electric Power Systems I	HÜ	2														
16							Energy from Biomass																
17							Sustainable Mobility	VL	2	Energy Trading	UE		1										
18							Energy from Biomass	UE	1	Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage	VL		2										
19							<b>Renewable Energies in Supply Systems (part 1)</b>	SE	2	VL	2	<b>Dimensioning and Assessment of Renewable Energy Systems (part 2)</b>	PBL	2									
20															Electricity Generation from Renewable Sources of Energy								
21	<b>Wood Provision and Processing</b>	VL	2	<b>Renewable Energies in Supply Systems (part 2)</b>	SE	2									<b>Biofuels and their Use I (part 2)</b>	VL	1						
22																		Forest Production					
23																		Mechanical Technology of Wood	VL	2	Biofuels Process Technology	UE	1
24																		Biorefineries - Concepts and Plants	VL	2	<b>Dimensioning and Assessment of Renewable Energy Systems (part 1)</b>	PK	2
25							CAPE in Energy Engineering		Design with Polymers and Composites	VL	2												
26							<b>Biofuels and their Use I (part 1)</b>	VL	2	Internal Combustion Engines I	HÜ	1											
27																							
28	Internal Combustion Engines I																						
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.