

Course of Study Renewable Energies (Study Cohort w24)

Sample course plan C Master Renewable Energies (REMS)

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Specialisation Wind Energy Systems			
1	Fluid Mechanics and Ocean Energy		Dimensioning and Assessment of Renewable Energy Systems (part 2)
2	Fluid Mechanics II VL 2		Heat Provision from Renewable Sources of Energy SE 2
3	Energy from the Ocean VL 2		Use of Solar Energy
4			Solar Power Generation VL 2
5			Energy Meteorology VL 1
6			Energy Meteorology GÜ 1
7			Collector Technology VL 2
8	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids		Thermal Energy Systems
9	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids VL 3		Thermal Energy Systems VL 3
10	Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids HÜ 2		Thermal Energy Systems HÜ 1
11			Maritime Technology and Offshore Wind Parks
12			Introduction to Maritime Technology VL 2
13	Bioenergy		Offshore Wind Parks VL 2
14	Biofuels Process Technology VL 1		Introduction to Maritime Technology GÜ 1
15	Biofuels Process Technology GÜ 1		
16	Thermal Biomass Utilization VL 2		System Aspects of Renewable Energies
17	World Market for Commodities from Agriculture and Forestry VL 1		Energy Trading VL 1
18	Thermal Biomass Utilization PR 1		Energy Trading GÜ 1
19			Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage VL 2
20	Energy Projects - Development and Assessment		Deep Geothermal Energy VL 2
21	Development of Energy Projects VL 2		Modelling and Technical Design of Bio Refinery Processes
22	Economic Aspects of Energy Projects VL 1		CAPE in Energy Engineering PK 3
23	Aspects of Sustainability Management VL 1		Biorefineries - Technical Design and Optimization PBL 3
24	Renewable Energy Projects in Emerged Markets PS 2		
25			Sustainable energy from wind and water
26	Dimensioning and Assessment of Renewable Energy Systems (part 1)		Wind Turbine Plants VL 2
27	Electricity Generation from Renewable Sources of Energy SE 2		Wind Energy Use - Focus Offshore VL 1
28	Environmental Technology and Energy Economics PBL 2		Hydro Power Use VL 1
29			Offshore Geotechnical Engineering VL 1
30			Maritime Transport
31			Maritime Transport VL 2
32			Maritime Transport GÜ 2
Business & Management (from catalogue) - 6LP			
Non-technical 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.

