

Course of Study Renewable Energies (Study Cohort w21)

Sample course plan A 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 Solar 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		Electrical Energy from Solar Radiation and Wind Power
4			Sustainability Management VL 2
5			Wind Turbine Plants VL 2
6			Wind Energy Use - Focus Offshore VL 1
7			Hydro Power Use VL 1
8	Electrical Power Systems I: Introduction to Electrical Power Systems		Thermal Energy Systems
9	Electrical Power Systems I: Introduction to Electrical Power Systems VL 3		Thermal Energy Systems VL 3
10	Electrical Power Systems I: Introduction to Electrical Power Systems GÜ 2		Thermal Energy Systems HÜ 1
11			Energy Information Systems and Electromobility
12			Electrical Power Systems II: Operation and Information Systems of Electrical Power Grids VL 3
13	Bioenergy		Electro mobility VL 2
14	Biofuels Process Technology VL 1		Integration of Renewable Energies (part 1)
15	Biofuels Process Technology GÜ 1		Integration of Renewable Energies I VL 1
16	Thermal Biomass Utilization VL 2		Integration of Renewable Energies I GÜ 1
17	World Market for Commodities from Agriculture and Forestry VL 1		
18	Thermal Biomass Utilization PR 1		System Aspects of Renewable Energies
19			Energy Trading VL 1
20	Energy Projects - Development and Assessment		Energy Trading GÜ 1
21	Development of Renewable Energy Projects VL 2		Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage VL 2
22	Economics of an Energy Provision from Renewables VL 1		Deep Geothermal Energy VL 2
23	Economics of an Energy Provision from Renewables PS 1		Modelling and technical design of bio refinery processes
24	Renewable Energy Projects in Emerged Markets PS 2		CAPE in Energy Engineering PK 3
25			Biorefineries - Technical Design and Optimization PBL 3
26	Dimensioning and Assessment of Renewable Energy Systems (part 1)		
27	Electricity Generation from Renewable Sources of Energy SE 2		Structure and properties of fibre-polymer-composites
28	Environmental Technology and Energy Economics PBL 2		Structure and properties of fibre-polymer-composites VL 2
29			Structure and properties of fibre-polymer-composites HÜ 1
30			Structure and properties of fibre-polymer-composites PBL 2
31			
32			
33			
34			
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.

