Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w22)

		Core Qualification Compulsory		Compulsory Thesis Compulsory Elective Compulsory Interdisciplinary complement
ample course plan S Bachelor Green Technologies: Energy, Water, Climate (G	JTBS)	Core Qualification Elective Co	Pocus Pocus	Elective Compulsory interdisciplinary complement
ecialisation Energy Systems / Renewable Energies				
Mathematics I Technical Thermodynamics I VL 2 Mathematics I VL 4 Technical Thermodynamics I VL 2 Mathematics I H0 2 Technical Thermodynamics I H0 1 Mathematics I G0 2 Technical Thermodynamics I G0 1	Basics of Electrical Engineering VL 3 Basics of Electrical Engineering GÜ 2	Fundamentals of Fluid Mechanics VL 2 Fundamentals of Fluid Mechanics VL 2 Fluid Mechanics for Process Engineering H0 2 Fundamentals on Fluid Mechanics GÜ 2	Heat and Mass Transfer VL Heat and Mass Transfer GÜ Heat and Mass Transfer GÜ Heat and Mass Transfer HÜ	System Integration Renewable Energies II GÜ
Mathematics II VL 4 Mathematics II VL 4 Mathematics II HO 2 General and Inorganic Chemistry Mathematics II GO 2	Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 Technical Thermodynamics II GÜ 1	Sanitary Engineering I Wastewater Disposal VL 2 Wastewater Disposal HŪ 1 Drinking Waster Supply VL 2	Introduction to Control Systems Introduction to Control Systems VL Introduction to Control Systems GÜ	emissions Basics of climate change and its effects VL
General and Inorganic Chemistry VL 3 Fundamentals in Inorganic Chemistry PR 3 Fundamentals in Inorganic Chemistry GÜ 1 2 2 2 2		Drinking Water Supply VL 2 Drinking Water Supply HÜ 1		Bachelor Thesis
.3 .4	Mathematics III Analysis III VL 2 Analysis III GŨ 1	Conventional Energy Systems and Energy Industry VL 1 Power Industry VL 1 Energy markets and energy trading VL 2	Economic and environmental project assessment Basics of Environmental Project Assessment VL Case studies economic and environmental GÛ	2
5.5 Computer science for Engineers - Introduction and Overview Organic Chemistry VL 4 6.6 Computer Science for Engineers - Introduction VL 3 Organic Chemistry VL 4 7.7 and Overview Computer Science for Engineers - Introduction VL 3 0 3 3 8.8 and Overview Guard Devender GU 2 2 3 3	Analysis III HÜ 1 Differential Equations 1 VL 2 Differential Equations 1 GÜ 1 Differential Equations 1 HÜ 1	Fossil Energy Systems VL 2 Fuels I VL 1	project assessment Basics of economic project assement VL	2
9		Renewable Energies Renewable Energies I VL 2 Renewable Energies II VL 2	Electrical Power Systems I: Introduction to Electr Power Systems Electrical Power Systems I: Introduction to VL	
R1 Green Technologies I Engineering Mechanics II (Elastostatics) R2 Meteorology and Climate Systems - Introduction VL 2 Engineering Mechanics II VL 2 R3 Meteorology and Climate Systems - Introduction GU 2 Engineering Mechanics II GU 2 R4 Meteorology and Climate Systems - Introduction GU 2 Engineering Mechanics II GU 2	Measurement Technology for Chemical and Bioprocess Engineering VL 2 Measurement Technology VL 2 Physical Fundamentals of Measurement VL 2 Technology VL 2 Practical Course Measurement Technology PR 2	Renewable Energies II HÜ 1 Renewable Energies I HÜ 1 Fuels II VL 1	Electrical Power Systems Electrical Power Systems I: Introduction to GÜ Electrical Power Systems	
25	Practical Course Measurement Technology PR 2	Green Technologies II (part 2) Practical Exercise Environmental Technology PR 1	Green Technologies III Scientific Work and Writing SE	
66 Engineering Mechanics I (Stereostatics) 77 Engineering Mechanics I (Stereostatics) 88 Engineering Mechanics I 99 Engineering Mechanics I 90 Engineering Mechanics I	Green Technologies II (part 1) Environmental Technologie VL 2 Pollutant analysis VL 2	Computer Science for Engineers - Programming Concepts, Data Handling & Communication Computer Science for Engineers - Programming VL 3 Concepts, Data Handling & Communication Concepts, Data Handling & Communication VL 3 Concepts, Data Handling & Communication Computer Science for Engineers - Programming GU 2 Concepts to Handling & Lowengiated to Handling & Communication GU 2 2	Study Work Green Technologies PS	2
10 12		Concepts, Data Handling & Communication	System Integration Renewable Energies (part 1) System Integration Renewable Energies I VL System Integration Renewable Energies I GÜ	2
Non-technical Courses for Bachelors (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.