## Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w21)

ample course plan S Bachelor Green Technologies: Energy, Water, Climate (GTBS)							Core qualification Elective Compulsory Specialisation Elective Compulsory		Focus Elective O	ompulsory Interdisciplinary complement	
pecialisation Energy Systems	Form Hrs/wk		Form Hrs/wk		Form Hrs/wk	Semester 4	Form Hrs/wk	Semester 5	Form Hrs/wk	Semester 6	Form Hrs
Mathematics I   Linear Algebra I   Linear Algebra I   Linear Algebra I   Analysis I   Analysis I   Analysis I	VL 2 GÜ 1 HÜ 1 VL 2 GÜ 1 HÜ 1	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	VL 2 HÜ 1 GÜ 1	Basics of Electrical Engineering Basics of Electrical Engineering Basics of Electrical Engineering	VL 3 GÜ 2	Fundamentals of Fluid Mechanic Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineer	VL 2	Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer	VL 2 GŨ 1 HÜ 1	System Integration Renewable Energies (p System Integration Renewable Energies II System Integration Renewable Energies II Climate change impact & mitigation Technical measures to mitigate climate change Technical measures to mitigate climate change Metereology of climate change	VL 2 GŪ 1 2 VL 2
7 General and Inorganic Chemistry 10 General and Inorganic Chemistry Fundamentals in Inorganic Chemistry Fundamentals in Inorganic Chemistry Fundamentals in Inorganic Chemistry	VL 3 PR 3 GÜ 1	Mechanics II: Mechanics of Materials Mechanics II Mechanics II Mechanics II	VL 2 GÜ 2 HÜ 2	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1 GÜ 1	Sanitary Engineering I Wastewater Disposal Wastewater Disposal Drinking Water Supply Drinking Water Supply	VL 2 HŪ 1 VL 2 HŪ 1	Foundations of Management Introduction to Management Management Tutorial	VL 3 GÜ 2	Bachelor Thesis	VL 2
L3 Mechanics I (Statics) Mechanics I	VL 2	Mathematics II Linear Algebra II Linear Algebra II Linear Algebra II Analysis II	VL 2 GÜ 1 HÜ 1 VL 2	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1	VL 2 GÜ 1 HÜ 1 VL 2	Conventional Energy Systems an Energy systems and markets Fossil Energy Sources Fossil Energy Sources	nd Energy Economics VL 2 VL 3 HŪ 1	Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems	VL 2 GÜ 2		
Mechanics I Mechanics I 18 19	GÜ 2 HÜ 1	Analysis II Analysis II	HÜ 1 GÜ 1	Differential Equations 1 Differential Equations 1	GŨ 1 HŨ 1	Renewable Energies		Electrical Power Systems I: Introduction	to Electrical		
Computer Science for Engineers - Introd Overview		Organic Chemistry Organic Chemistry	VL 4	Measurement Technology for VT/ BVT Measurement Technology	VL 2	Renewable Energies I Renewable Energies II Renewable Energies I Renewable Energies II	VL 2 VL 2 HŪ 1 HŪ 1	Power Systems Electrical Power Systems I: Introduction to Electrical Power Systems Electrical Power Systems I: Introduction to	VL 3 GÜ 2		
Computer Science for Engineers - Introduction and Overview Computer Science for Engineers - Introduction and Overview		Organic Chemistry	PR 3	Physical Fundamentals of Measurement Technology Practical Course Measurement Technology	VL 2 PR 2			Electrical Power Systems			
.5						Green Technologies II (part 2) Practical Exercise Environmental Tec Computer Science for Engineers	- Programming	Green Technologies III Scientific Work and Writing Study Work Green Technologies	SE 2 PS 2		
Green Technologies I       8     Meteorology and Climate Systems - Introduct       9     Meteorology and Climate Systems - Introduct       0     Meteorology and Climate Systems - Introduct	SE 2			Green Technologies II (part 1) Environmental Technologie Environmental Assessment Environmental Assessment	VL 2 VL 2 GŪ 1	Concepts, Data Handling & Comm Computer Science for Engineers - Prr Concepts, Data Handling & Commun Computer Science for Engineers - Prr Concepts, Data Handling & Commun	ogramming VL 3 iication ogramming GÜ 2				
1 2 3								System Integration Renewable Energies System Integration Renewable Energies I System Integration Renewable Energies I	(part 1) VL 2 GÜ 1		

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.