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

	e course plan W Bachelor Gr		intologies: Energy, Water, e		,183)							
ecia	lisation Water Technologies											
L 2 3 4 5	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 Mechanics Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering Fundamentals on Fluid Mechanics	VL 2 HŨ 2 GŨ 2	Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer	VL 2 GÜ 1 HÜ 1	Sanitary Engineering II Drinking Water Treatment Management of Wastewater Infrastructure	SE 2 SE 2
6 7 8 9 10 11	General and Inorganic Chemistry General and 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 GŨ 2 HŨ 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	Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems	VL 2 GÜ 2	Applied Water Management Numerical modelling of soil water dynamics Numerical modelling of soil water dynamics Nature-oriented Hydraulic Engineering	VL 2 PBL 2 PBL 2
12 13 14			Mathematics II Linear Algebra II Linear Algebra II	VL 2 GÜ 1	Mathematics III Analysis III Analysis III	VL 2 GŪ 1	Conventional Energy Systems and Energy Power Industry Energy markets and energy trading	y Industry VL 1 VL 2	Economic and environmental project ass Basics of Environmental Project Assessment Case studies economic and environmental	essment VL 2 GÜ 1	Bachelor Thesis	
15 16 17 18	Mechanics I (Statics) Mechanics I Mechanics I Mechanics I	VL 2 GÜ 2 HÜ 1	Linear Algebra II Analysis II Analysis II Analysis II	HÜ 1 VL 2 HÜ 1 GÜ 1	Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	HÜ 1 VL 2 GÜ 1 HÜ 1	Fossil Energy Systems Fossil Energy Systems	VL 2 HŪ 1	project assessment Basics of economic project assement	VL 2		
19 20							Renewable Energies Renewable Energies I Renewable Energies II	VL 2 VL 2	Hydrology and Geoinformation Systems Hydrology Hydrology	(part 2) VL 1 PBL 1		
21 22 23 24	Computer Science for Engineers - Introduction Overview Computer Science for Engineers - Introduction and Overview Computer Science for Engineers - Introduction and Overview	VL 3	Organic Chemistry Organic Chemistry Organic Chemistry	VL 4 PR 3	Measurement Technology for Chemical and Engineering Measurement Technology Physical Fundamentals of Measurement Technology Practical Course Measurement Technology	VL 2 VL 2 VL 2 PR 2	Renewable Energies I Renewable Energies I	ΗŪ 1 ΗŪ 1	Green Technologies III Scientific Work and Writing Study Work Green Technologies	SE 2 PS 2		
25							Green Technologies II (part 2) Practical Exercise Environmental Technology Hydrology and Geoinformation Systems (Introduction to Geoinformation Science	PR 1 (part 1) PBL 3				
27 28 29 30 31	Green Technologies I Meteorology and Climate Systems - Introduction Introduction to Green Technologies Meteorology and Climate Systems - Introduction	SE 2			Green Technologies II (part 1) Environmentai Technologie Pollutant analysis	VL 2 VL 2			New Trends in Water and Environmental Introduction to Microplastics in Environment Research Methods Research Trends	Research IV 2 VL 1 SE 2		
32 33												

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