## Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w24)

~~~)				Core Qualif	ication Compulsory	y Specialisation Compulsory	Focus Compul	Isory Thesis Compulsory	
ample course plan W Bachelor Green Te	chnologies: Energy, Water, Clin	nate (GTBS)		Core Qualif	ication Elective Co	mpulsory Specialisation Elective Compulsory	Focus Elective	e Compulsory Interdisciplinary comple	ement
ecialisation Water Technologies									
Mathematics I       2     Mathematics I     VL     4       Mathematics I     HÚ     2       Mathematics I     GÚ     2       Mathematics I     GÚ     2       4     S     S	Technical Thermodynamics I	Basics of Electrical Engineering       VL     2       Basics of Electrical Engineering       H0     1       Basics of Electrical Engineering       GU     1	VL 3 GÜ 2	Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering Fundamentals on Fluid Mechanics	VL 2 HÜ 2 GÜ 2	Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer	VL 2 GÜ 2 HÜ 1	Sanitary Engineering II Drinking Water Treatment Management of Wastewater Infrastructure	SE 2 SE 2
6	Mathematics II	VL 4 <b>Technical Thermodynamics II</b> H0 2 Technical Thermodynamics II S0 2 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 Modelling of soil water dynamics Modelling of soil water dynamics Nature-oriented Hydraulic Engineering	VL 2 PBL 2 PBL 2
Fundamentals in Inorganic Chemistry GÜ 1 12 13 14		Mathematics III Analysis III Analysis III	VL 2 GŪ 1	Conventional Energy Systems and Ener Power Industry Energy markets and energy trading	<b>rgy Industry</b> VL 1 VL 2	Economic and environmental project ass Basics of Environmental Project Assessment Case studies economic and environmental	<b>essment</b> VL 2 GÜ 1	Bachelor Thesis	
15     Computer Science for Engineers - Introduction and Overview       16     Overview       17     and Overview       18     Computer Science for Engineers - Introduction       19     Overview	Organic Chemistry	Analysis III VL 2 Differential Equations 1 PR 2 Differential Equations 1 S0 2 Differential Equations 1	HÜ 1 VL 2 GÜ 1 HÜ 1	Fossil Energy Systems Fuels I Renewable Energies	VL 2 VL 1	project assessment Basics of economic project assement Hydrology and Geoinformation Systems	VL 2		
20     Green Technologies I       21     Meteorology and Climate Systems - Introduction     VL     2       23     Introduction Green Technologies     SE     2       24     Hetoorology and Climate Systems - Introduction     GU     2	Engineering Mechanics II	VL         2         Measurement Technology for Chemical and Engineering           Sü         2         Measurement Technology           Hü         2         Physical Fundamentals of Measurement Technology	VL 2 VL 2	Renewable Energies I Renewable Energies II Renewable Energies I Fuels II	VL 2 VL 2 HŪ 1 VL 1	Hydrology Hydrology Green Technologies III Scientific Work and Writing Study Work Green Technologies	VL 1 PBL 1 SE 2 PS 2		
25 26 27 Engineering Mechanics I (Stereostatics)		Practical Course Measurement Technology Green Technologies II (part 1)	PR 2	Green Technologies II (part 2) Practical Exercise Environmental Technolog Hydrology and Geoinformation Systems Introduction to Geoinformation Science					
		Environmental Technologie	VL 2			New Trends in Water and Environmenta	Research		
28     Engineering Mechanics I     VL     2       Engineering Mechanics I     GÜ     2       29     Engineering Mechanics I     HÜ     2       30     31     HÜ     2		Pollutant analysis	VL 2			Introduction to Microplastics in Environment Research Methods Research Trends	IV 2 VL 1 SE 2		
28     Engineering Mechanics I     VL     2       Engineering Mechanics I     GÜ     2       Engineering Mechanics I     HÜ     2       30     HÜ     2						Research Methods	VL 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.