Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w23)

23)					ication Compulson		Focus Compul		
imple course plan W Bachelor Green Technologies: Energy, Water, Climate (GTBS)				Core Qualification Elective Compulsory Specialisation Elective Compulsory		mpulsory Specialisation Elective Compulsory	Focus Elective	Compulsory Interdisciplinary complement	nent
ecialisation Water Technologies									
Mathematics I 2 Mathematics I VL 4 Mathematics I HÜ 2 Mathematics I GÜ 2 Mathematics I GÜ 2 4 Statistical Statistic	Technical Thermodynamics I	Basics of Electrical Engineering VL 2 Basics of Electrical Engineering HÜ 1 Basics of Electrical Engineering SÜ 1	VL 3 GÜ 2	Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering Fundamentals on Fluid Mechanics	VL 2 HŪ 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 General and Inorganic Chemistry VL 3 Ceneral and Inorganic Chemistry VL 3	Mathematics II	Technical Thermodynamics II VL 4 Technical Thermodynamics II H0 2 Technical Thermodynamics II S0 2 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 HŨ 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
Fundamentals in Inorganic Chemistry PR 3 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	rgy 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 Computer Science for Engineers - Introduction and 16 Overview 17 Computer Science for Engineers - Introduction VL 3 18 Computer Science for Engineers - Introduction GU 2 19 Overview 0 2	Organic Chemistry	Analysis III Analysis III VL 2 Differential Equations 1 20 2 Differential Equations 1 30 2 Differential Equations 1	HÜ 1 VL 2 GÜ 1 HÜ 1	Fossil Energy Systems Fuels I Renewable Energies Renewable Energies I	VL 2 VL 1 VL 2	Case studies economic and environmental project assement Basics of economic project assement Hydrology and Geoinformation Systems Hydrology	VL 2		
20 Green Technologies I 21 Meteorology and Climate Systems - Introduction VL 2 1ntroduction Green Technologies SE 2 Meteorology and Climate Systems - Introduction GÜ 2 24 SE SE 2	Engineering Mechanics II	VL 2 Measurement Technology for Chemical an Engineering Si0 2 Measurement Technology H0 2 Physical Fundamentals of Measurement Technology Practical Course Measurement Technology	VL 2 VL 2 VL 2 PR 2	Renewable Energies I Renewable Energies I Renewable Energies I Fuels II	VL 2 VL 2 HÜ 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)		Green Technologies II (part 1)		Green Technologies II (part 2) Practical Exercise Environmental Technology 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 29 Engineering Mechanics I GÜ 2 29 Engineering Mechanics I HÜ 1 30 Image: State		Pollutant analysis	VL 2			Introduction to Microplastics in Environment Research Methods Research Trends	VL 1 SE 2		
Engineering Mechanics I GÜ 2 Engineering Mechanics I HÜ 1 30		Pollutant analysis	VL 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.