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

nple course plan B Bachelor Green Teo cialisation Biotechnologies	chnologies: Energy, Water, Cli	imate (G1	rbs)		Core Qualification	ation Elective Con	npulsory Specialisation Elective Compulsory	Focus Elective	Compulsory Interdisciplinary comple	ment
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Mathematics I										
Mathematics I VL 4 Mathematics I HŪ 2 Mathematics I GŪ 2	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 GŪ 2	Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering Fundamentals on Fluid Mechanics	VL 2 HŪ 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	Biological and Biochemical Fundamentals Fundamental Biological and Biochemical Practical Course Introduction to the Biological and Biochemical Practical Course	PR
	Mathematics II		Technical Thermodynamics II		Sanitary Engineering I		Introduction to Control Systems		Fundamentals in Molecular Biology Genetics and Molecular Biology Genetics and Molecular Biology Molecular Biology Lab Course	VL PBL PR
General and Inorganic Chemistry General and Inorganic Chemistry VL 3 Fundamentals in Inorganic Chemistry PR 3	Mathematics II Mathematics II Mathematics II	VL 4 HÜ 2 GÜ 2	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1 GÜ 1	Wastewater Disposal Wastewater Disposal Drinking Water Supply Drinking Water Supply	VL 2 HŪ 1 VL 2 HŪ 1	Introduction to Control Systems	VL 2 GÜ 2		
Fundamentals in Inorganic Chemistry GÜ 1			Mathematics III		Conventional Energy Systems and Energy		Economic and environmental project asse		Regulatory aspects of biological agents Regulatory aspects of biological agents	VL 2
Computer Science for Engineers - Introduction and Overview VL 3 Computer Science for Engineers - Introduction VL 3 and Overview Computer Science for Engineers - Introduction GÜ 2	Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry	VL 2 PR 2 GÜ 2	Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	VL 2 GÜ 1 HÜ 1 VL 2 GÜ 1 HÜ 1	Power Industry Energy markets and energy trading Fossil Energy Systems Fuels I	VL 1 VL 2 VL 2 VL 1	Basics of Environmental Project Assessment Case studies economic and environmental project assessment Basics of economic project assement	VL 2 GÜ 1 VL 2	Bioinformatics Bioinformatics Conceptual Process Design Conceptual Process Design	SE
and Overview Green Technologies 1	Engineering Mechanics II (Elastostatics)		Measurement Technology for Chemical and I Engineering	Bioprocess	Renewable Energies Renewable Energies I Renewable Energies I Renewable Energies I	VL 2 VL 2 HŪ 1	Biological and Biochemical Fundamentals Biological and Biochemical Fundamentals Bioprocess Technology I	VL 2	Conceptual Process Design Conceptual Process Design	ΗÜ GÜ
Meteorology and Climate Systems - Introduction VL 2 Introduction Green Technologies SE 2 Meteorology and Climate Systems - Introduction GÜ 2	Engineering Mechanics II Engineering Mechanics II Engineering Mechanics II	VL 2 GÜ 2 HÜ 2	Resurgement Technology Measurement Technology Physical Fundamentals of Measurement Technology Practical Course Measurement Technology	VL 2 VL 2 PR 2	Fuels II Green Technologies II (part 2) Practical Exercise Environmental Technology	VL 1 PR 1	Bioprocess Technology I Bioprocess Technology I Bioprocess Technology I - Fundamental Pract Course	VL 2 HÜ 2 ttical PR 2	Bachelor Thesis	
Engineering Mechanics I (Stereostatics) Engineering Mechanics I VL 2 Engineering Mechanics I GÜ 2 Engineering Mechanics I HÜ 2			Green Technologies II (part 1) Environmental Technologie Pollutant analysis	VL 2 VL 2						

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