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

ample cou	nple course plan T Bachelor Green Technologies: Energy, Water, Climate (GTBS)								Specialisation Compulsory spulsory Specialisation Elective Compulsory	Focus Elective	Compulsory Interdisciplinary compl	lement
			Semester 2	Form Hrs/wk		Form Hrs/wk	Semester 4	Form Hrs/wk	Semester 5	Form Hrs/wk	Semester 6	Form Hrs/
Linea Linea Linea Analy Analy Analy	ysis 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 GŪ 2	Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering	VL 2 HÜ 2	Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer	VL 2 GÜ 1 HÜ 1	Mechanical Engineering: Design (part 2) Team Project Design Methodology Mechanical Design Project II Reciprocating Machinery (part 2) Internal Combustion Engines I Internal Combustion Engines I	PBL : PBL : VL : HÜ
.0 Gene	undamentals 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	
13 14 15 Mech 16	nanics I (Statics) anics I anics I	VL 2 GÜ 2	Mathematics II Linear Algebra II Linear Algebra II Linear Algebra II Analysis II	VL 2 GÜ 1 HÜ 1 VL 2 HÜ 1	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1	VL 2 GŪ 1 HŪ 1 VL 2 GŪ 1	Conventional Energy Systems and Energy systems and markets Energy systems and markets Fossil Energy Sources Fossil Energy Sources	VL 2 VL 3 HÜ 1	Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems	VL 2 GÜ 2		
17	anics I	HŪ 1	Analysis II Analysis II	GÜ 1	Differential Equations 1 Differential Equations 1	HÜ 1	Renewable Energies Renewable Energies I	VL 2 VI 2	Fundamentals of Materials Science (part Fundamentals of Materials Science I	VL 2		
22 Over Comp 23 and C 24 Comp	Computer Science for Engineers - Introduction Sverview Computer Science for Engineers - Introduction V and Overview Computer Science for Engineers - Introduction G and Overview	Organic Ch VL 3 Organic Ch	Organic Chemistry Organic Chemistry Organic Chemistry	VL 4 PR 3	Measurement Technology for VT/ BVT Measurement Technology Physical Fundamentals of Measurement Technology Practical Course Measurement Technology	VL 2 VL 2 PR 2	Renewable Energies II Renewable Energies I Renewable Energies II	VL 2 HŪ 1 HŨ 1	Physical and Chemical Basics of Materials Science Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD	VL 2		
25							Green Technologies II (part 2) Practical Exercise Environmental Technolo Fundamentals of Mechanical Enginee	ring Design	Mechanical Design Project I Mechanics III (Dynamics) Mechanics III	PBL 3		
28 Meter	in Technologies I orology and Climate Systems - Introduction duction to Green Technologies orology and Climate Systems - Introduction	VL 2 SE 2 GÜ 2			Green Technologies II (part 1) Environmental Technologie Environmental Assessment Environmental Assessment	VL 2 VL 2 GŨ 1	Fundamentals of Mechanical Engineering I		Mechanics III Mechanics III Mechanics III	VL 3 GÜ 2 HÜ 1		
2 3							Fundamentals of Materials Science (p Fundamentals of Materials Science II	art 1) VL 2	Reciprocating Machinery (part 1) Fundamentals of Reciprocating Engines and Turbomachinery - Part Reciprocating Engines Fundamentals of Reciprocating Engines and Turbomachinery - Part Reciprocating Engines	VL 1 HÜ 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.