Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w24) Legend: Core Qualification Compulsory Specialisation Compulsory Focus Compulsory Thesis Compulsory

Sample	e course plan T Bachelor Green Tech	nnologies: Energy, Water, Clim	ate (G	TBS) Dual study program		Core Qualification	Elective Cor	npulsory Specialisation Elective Compulsory	Focus Elective	Compulsory Interdisciplinary compleme	:nt
Special	isation Energy Technology										
1	Mathematics I	Technical Thermodynamics I		Basics of Electrical Engineering		Fundamentals of Fluid Mechanics		Heat and Mass Transfer		Mechanical Engineering: Design (part 2)	
2	Mathematics I VL 4	Technical Thermodynamics I	VL 2	Basics of Electrical Engineering	VL 3	Fundamentals of Fluid Mechanics	VL 2	Heat and Mass Transfer	VL 2	Team Project Design Methodology	PBL 2
2	Mathematics I HŪ 2	Technical Thermodynamics I	HÜ 1	Basics of Electrical Engineering	GÜ 2	Fluid Mechanics for Process Engineering	HÜ 2	Heat and Mass Transfer	GÜ 2	Mechanical Design Project II	PBL 3
3	Mathematics I GÜ 2	Technical Thermodynamics I G	GÜ 1			Fundamentals on Fluid Mechanics	GÜ 2	Heat and Mass Transfer	HÜ 1		
4										Reciprocating Machinery (part 2)	
5										Internal Combustion Engines I	VL 2
6										Internal Combustion Engines I	HÜ 1
0											
/		Mathematics II		Technical Thermodynamics II	10 2	Sanitary Engineering I		Introduction to Control Systems			
8		Mathematics II	VL 4 HÜ 2	Technical Thermodynamics II	VL 2 HÜ 1	Wastewater Disposal	VL 2 HŪ 1	Introduction to Control Systems	GÜ 2	Bachelor thesis (dual study program)	
9	General and Inorganic Chemistry	Mathematics II G	GÜ 2	Technical Thermodynamics II	GÜ 1	Drinking Water Supply	VL 2				
10	General and Inorganic Chemistry VL 3					Drinking Water Supply	HŪ 1				
11	Fundamentals in Inorganic Chemistry PR 3										
10	Fundamentals in Inorganic Chemistry GU 1										
12											
13				Mathematics III		Conventional Energy Systems and Energy Ind	ustry	Practical module 5 (dual study program, I	Bachelor's		
14				Analysis III	VL 2	Power Industry	VL 1	degree)	0		
15	Computer Science for Engineers - Introduction and	Organic Chemistry		Analysis III	GU 1	Energy markets and energy trading	VL 2	Fracucai (em 5	U		
16	Overview	Organic Chemistry	VL 2	Differential Equations 1	VL 2	Fuels I	VL 1				
17	Computer Science for Engineers - Introduction VL 3	Organic Chemistry	PR 2	Differential Equations 1	GŪ 1						
1/	and Overview	Organic Chemistry 0	GÜ 2	Differential Equations 1	HÜ 1						
18	and Overview										
19						Renewable Energies		Economic and environmental project asse	ssment		
20						Renewable Energies I	VL 2	Basics of Environmental Project Assessment	VL 2		
21	Course Technologies I	Prostant and the 2 (due to trade array on Prost	- I	Management Tarker Law for Chambel and		Renewable Energies II	VL 2	Case studies economic and environmental	GÜ 1		
21	Meteorology and Climate Systems - Introduction VI 2	degree)	elors	Engineering	Bioprocess	Renewable Energies I	HŪ 1	project assessment Basics of economic project assement	V/I 2		
22	Introduction Green Technologies SE 2	Practical term 2	0	Measurement Technology	VL 2	Fuels II	VL I	Basics of economic project assement	VL 2		
23	Meteorology and Climate Systems - Introduction GÜ 2			Physical Fundamentals of Measurement	VL 2						
24				Technology							
25				Practical Course Measurement Technology	PR 2	Practical module 4 (dual study program, Bach	elor's	Mechanical Engineering: Design (part 1)			
26						degree)		Embodiment Design and 3D-CAD Introduction	VL 2		
20						Practical term 4	0	and Practical Training			
27	Practical module 1 (dual study program, Bachelor's	Engineering Mechanics II (Elastostatics)		Green Technologies II (part 1)				Mechanical Design Project I	PBL 3		
28	Practical term 1 0	Engineering Mechanics II	VL 2	Environmental Lechnologie Pollutant analysis	VL 2			Numerical Mathematics I			
29		Engineering Mechanics II	HÜ 2		VL 2			Numerical Mathematics I	VL 2		
30								Numerical Mathematics I	GU 2		
21						Course Technologies II (court 2)					
71						Practical Exercise Environmental Technology	PR 1				
32				Practical module 3 (dual study program Ba	chelor's	Fundamentals of Mechanical Engineering Des	ian				
22	Forder also Markenia (Channahalar)			degree)		Fundamentals of Mechanical Engineering Design	VL 2				
33	Engineering Mechanics I (Stereostatics)			Practical term 3	0	Fundamentals of Mechanical Engineering Design	HŪ 2				
34	Engineering Mechanics I GÜ 2							Fundamentals of Materials Science			
35	Engineering Mechanics I HŪ 2							Fundamentals of Materials Science II	VL 2		
36								Physical and Chemical Basics of Materials	VL 2 VL 2		
37								Science			
38											
20											
39											
40								Reciprocating Machinery (part 1)			
41								Fundamentals of Reciprocating Engines and	VL 1		
								Turbomachinery - Part Reciprocating Engines	HŰ 1		
								Turbomachinery - Part Reciprocating Engines and	10 1		
	Linking theony and practice (dual study prog	ram Bachelor's degree) (from catalogue	a) - 61 P								
	Linking theory and practice (dual study prog	ram, bachelor's degree/ (nom catalogu	C) - OLP								

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