## Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w23) Legend: Core Qualification Compulsory Specialisation Compulsory Focus Compulsory Thesis Compulsory

Specialisation	Maritime	Techno	logies

	Sample course plan M Bachelor Green Technologies: Energy, Water, Climate (GTBS) Dual study program					Compulsory Interdisciplinary complement
Special	isation Maritime Technologies					
1 2 3 4	Mathematics I         VL         4           Mathematics I         VL         4           Mathematics I         HŪ         2           Mathematics I         GŪ         2	VL         2           Technical Thermodynamics I         VL         2           Technical Thermodynamics I         HÜ         1           Technical Thermodynamics I         GÜ         1	Basics of Electrical Engineering         VL           Basics of Electrical Engineering         GÜ		Heat and Mass Transfer     VL     2       Heat and Mass Transfer     GŪ     1       Heat and Mass Transfer     HŪ     1	Fundamentals of Mechanical Engineering Design         VL         2           Fundamentals of Mechanical Engineering Design         VL         2           Fundamentals of Mechanical Engineering Design         HÜ         2
5 6 7		Mathematics II	Technical Thermodynamics II	Sanitary Engineering I	Introduction to Control Systems	Electrical Machines and Actuators
8		Mathematics II VL 4	Technical Thermodynamics II VL		Introduction to Control Systems VL 2	Electrical Machines and Actuators VL 3
9	General and Inorganic Chemistry	Mathematics II HÜ 2 Mathematics II GÜ 2	Technical Thermodynamics II HÜ Technical Thermodynamics II GŪ	Wastewater Disposal HŪ 1	Introduction to Control Systems GÜ 2	Electrical Machines and Actuators HÜ 2
10	General and Inorganic Chemistry VL 3	Mathematics II GÜ 2	Technical Thermodynamics II GÜ	Drinking Water Supply VL 2 Drinking Water Supply HŪ 1		
10	Fundamentals in Inorganic Chemistry PR 3					
12	Fundamentals in Inorganic Chemistry GÜ 1					
13			Mathematics III		Prosting and the C (during study and any Production)	Production theorie (downloaded and a second
13			Analysis III VL	Conventional Energy Systems and Energy Industry           Power Industry         VL         1	Practical module 5 (dual study program, Bachelor's degree)	Bachelor thesis (dual study program)
			Analysis III GŪ	Energy markets and energy trading VL 2	Practical term 5 0	
15	Computer Science for Engineers - Introduction and Overview	Organic Chemistry Organic Chemistry VL 2	Analysis III HÜ Differential Equations 1 VL	Fossil Energy Systems VL 2 Fuels I VL 1		
16	Computer Science for Engineers - Introduction VL 3	Organic Chemistry PR 2	Differential Equations 1 GŪ	rueis i VL 1		
17	and Overview Computer Science for Engineers - Introduction GÜ 2	Organic Chemistry GÜ 2	Differential Equations 1 HÜ			
18	and Overview					
19				Renewable Energies VL 2	Economic and environmental project assessment Basics of Environmental Project Assessment VL 2	
20				Renewable Energies II VL 2	Case studies economic and environmental GÜ 1	
21	Green Technologies I	Practical module 2 (dual study program, Bachelor's	Measurement Technology for Chemical and Bioproc Engineering	ss Renewable Energies I HŪ 1	project assessment	
22	Meteorology and Climate Systems - Introduction VL 2 Introduction Green Technologies SE 2	degree) Practical term 2 0	Measurement Technology VL	Fuels II VL 1	Basics of economic project assement VL 2	
23	Meteorology and Climate Systems - Introduction GÜ 2		Physical Fundamentals of Measurement VL			
24			Technology Practical Course Measurement Technology PR			
25			The deal course measurement rectinology	Practical module 4 (dual study program, Bachelor's	Green maritime energy conversion	
26				degree) Practical term 4 0	Green maritime energy conversion VL 4 Green maritime energy conversion GÜ 2	
27	Practical module 1 (dual study program, Bachelor's	Engineering Mechanics II (Elastostatics)	Green Technologies II (part 1)	Theodolitem 4	Green maritime energy conversion GU 2	
28	degree) Practical term 1 0	Engineering Mechanics II VL 2 Engineering Mechanics II GÜ 2	Environmental Technologie VL			
29	Practical term 1 0	Engineering Mechanics II GÜ 2 Engineering Mechanics II HÜ 2	Pollutant analysis VL			
30						
31				Green Technologies II (part 2) Practical Exercise Environmental Technology PR 1	Green maritime resources Green maritime resources VL 3	
32			Practical module 3 (dual study program, Bachelor's		Green maritime resources GÜ 3	
33	Engineering Mechanics I (Stereostatics)		degree)			
34	Engineering Mechanics I (Stereostatics) VL 2		Practical term 3			
35	Engineering Mechanics I GÜ 2					
35	Engineering Mechanics I HÜ 1					
37					Fundamentals of renewable ocean utilization Fundamentals of renewable ocean utilization VL 3	
38		1			Fundamentals of renewable ocean utilization GÜ 3	
39						
40						
41						
	Linking theory and practice (dual study progr	am, Bachelor's degree) (from catalogue) - 6L				

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