

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

Legend:

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Sample course plan M Bachelor Green Technologies: Energy, Water, Climate (GTBS) Dual study program

Specialisation Maritime Technologies			
1	<b>Mathematics I</b>		<b>Technical Thermodynamics I</b>
2	Mathematics I VL 4		Technical Thermodynamics I VL 2
3	Mathematics I HÜ 2		Technical Thermodynamics I HÜ 1
4	Mathematics I GÜ 2		Technical Thermodynamics I GÜ 1
5			
6			
7			
8		<b>Mathematics II</b>	<b>Technical Thermodynamics II</b>
9		Mathematics II VL 4	Technical Thermodynamics II VL 2
10		Mathematics II HÜ 2	Technical Thermodynamics II HÜ 1
11		Mathematics II GÜ 2	Technical Thermodynamics II GÜ 1
12			
13			
14			
15	<b>Computer Science for Engineers - Introduction and Overview</b>		<b>Mathematics III</b>
16	Computer Science for Engineers - Introduction and Overview VL 3		Analysis III VL 2
17	Computer Science for Engineers - Introduction and Overview PR 2		Analysis III GÜ 1
18	Computer Science for Engineers - Introduction and Overview GÜ 2		Analysis III HÜ 1
19			
20			
21	<b>Green Technologies I</b>		<b>Conventional Energy Systems and Energy Industry</b>
22	Meteorology and Climate Systems - Introduction VL 2		Power Industry VL 1
23	Introduction Green Technologies SE 2		Energy markets and energy trading VL 2
24	Meteorology and Climate Systems - Introduction GÜ 2		Fossil Energy Systems VL 2
25			Fuels I VL 1
26			
27	<b>Practical module 1 (dual study program, Bachelor's degree)</b>		<b>Renewable Energies</b>
28	Practical term 1 0		Renewable Energies I VL 2
29			Renewable Energies II VL 2
30			Renewable Energies I HÜ 1
31			Fuels II VL 1
32			
33	<b>Engineering Mechanics I (Stereostatics)</b>		<b>Economic and environmental project assessment</b>
34	Engineering Mechanics I VL 2		Basics of Environmental Project Assessment VL 2
35	Engineering Mechanics I GÜ 2		Case studies economic and environmental project assessment GÜ 1
36	Engineering Mechanics I HÜ 2		Basics of economic project assessment VL 2
37			
38			
39			
40			
41			
<b>Practical module 2 (dual study program, Bachelor's degree)</b>			
Practical term 2 0			
<b>Measurement Technology for Chemical and Bioprocess Engineering</b>			
Measurement Technology VL 2			
Physical Fundamentals of Measurement Technology VL 2			
Practical Course Measurement Technology PR 2			
<b>Green Technologies II (part 1)</b>			
Environmental Technologie VL 2			
Pollutant analysis VL 2			
<b>Practical module 3 (dual study program, Bachelor's degree)</b>			
Practical term 3 0			
<b>Green Technologies II (part 2)</b>			
Practical Exercise Environmental Technology PR 1			
<b>Practical module 4 (dual study program, Bachelor's degree)</b>			
Practical term 4 0			
<b>Green maritime energy conversion</b>			
Green maritime energy conversion VL 4			
Green maritime energy conversion GÜ 2			
<b>Green maritime resources</b>			
Green maritime resources VL 3			
Green maritime resources GÜ 3			
<b>Fundamentals of renewable ocean utilization</b>			
Fundamentals of renewable ocean utilization VL 3			
Fundamentals of renewable ocean utilization GÜ 3			
Linking theory and practice (dual study program, Bachelor's degree) (from catalogue) - 6LP			

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

