

Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w22)

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 S Bachelor Green Technologies: Energy, Water, Climate (GTBS) Dual study program

Specialisation Energy Systems / Renewable Energies

1	Mathematics I		Technical Thermodynamics I		Basics of Electrical Engineering		Fundamentals of Fluid Mechanics		Heat and Mass Transfer		System Integration Renewable Energies (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	System Integration Renewable Energies II	VL 2
3	Mathematics I	HÜ 2	Technical Thermodynamics I	HÜ 1	Basics of Electrical Engineering	GÜ 2	Fluid Mechanics for Process Engineering	HÜ 2	Heat and Mass Transfer	GÜ 1	System Integration Renewable Energies II	GÜ 1
4	Mathematics I	GÜ 2	Technical Thermodynamics I	GÜ 1			Fundamentals on Fluid Mechanics	GÜ 2	Heat and Mass Transfer	HÜ 1		
5												
6												
7			Mathematics II		Technical Thermodynamics II		Sanitary Engineering I		Introduction to Control Systems			
8			Mathematics II	VL 4	Technical Thermodynamics II	VL 2	Wastewater Disposal	VL 2	Introduction to Control Systems	VL 2		
9			Mathematics II	HÜ 2	Technical Thermodynamics II	HÜ 1	Wastewater Disposal	HÜ 1	Introduction to Control Systems	GÜ 2		
10			Mathematics II	GÜ 2	Technical Thermodynamics II	GÜ 1	Drinking Water Supply	VL 2				
11	General and Inorganic Chemistry						Drinking Water Supply	HÜ 1				
12	General and Inorganic Chemistry	VL 3										
13	Fundamentals in Inorganic Chemistry	PR 3										
14	Fundamentals in Inorganic Chemistry	GÜ 1										
15												
16	Computer Science for Engineers - Introduction and Overview		Organic Chemistry									
17	Computer Science for Engineers - Introduction and Overview	VL 3	Organic Chemistry	VL 4								
18	Computer Science for Engineers - Introduction and Overview	PR 3	Organic Chemistry	PR 3								
19	Computer Science for Engineers - Introduction and Overview	GÜ 2										
20												
21												
22	Green Technologies I		Practical module 2 (dual study program, Bachelor's degree)		Measurement Technology for Chemical and Bioprocess Engineering		Conventional Energy Systems and Energy Industry		Practical module 5 (dual study program, Bachelor's degree)			
23	Meteorology and Climate Systems - Introduction	VL 2	Practical term 2	0	Measurement Technology	VL 2	Power Industry	VL 1	Practical term 5	0		
24	Introduction Green Technologies	SE 2			Physical Fundamentals of Measurement Technology	VL 2	Analysis III	GÜ 1				
25	Meteorology and Climate Systems - Introduction	GÜ 2			Practical Course Measurement Technology	PR 2	Analysis III	HÜ 1				
26							Energy markets and energy trading	VL 2				
27							Fossil Energy Systems	VL 2				
28	Practical module 1 (dual study program, Bachelor's degree)						Fuels I	VL 1				
29	Practical term 1	0										
30												
31												
32												
33												
34	Engineering Mechanics I (Stereostatics)											
35	Engineering Mechanics I	VL 2										
36	Engineering Mechanics I	GÜ 2										
37	Engineering Mechanics I	HÜ 1										
38												
39												

Linking theory and practice (dual study program, Bachelor's degree) (from catalogue) - 6 LP

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

