

# 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 T Bachelor Green Technologies: Energy, Water, Climate (GTBS)

Specialisation Energy Technology				
1	<b>Mathematics I</b>		<b>Technical Thermodynamics I</b>	<b>Basics of Electrical Engineering</b>
2	Mathematics I VL 4		Technical Thermodynamics I VL 2	Basics of Electrical Engineering VL 3
3	Mathematics I HÜ 2		Technical Thermodynamics I HÜ 1	Basics of Electrical Engineering GÜ 2
4	Mathematics I GÜ 2		Technical Thermodynamics I GÜ 1	
5				
6				
7				
8		<b>Mathematics II</b>	<b>Technical Thermodynamics II</b>	<b>Sanitary Engineering I</b>
9		Mathematics II VL 4	Technical Thermodynamics II VL 2	Wastewater Disposal VL 2
10	<b>General and Inorganic Chemistry</b>	Mathematics II HÜ 2	Technical Thermodynamics II HÜ 1	Wastewater Disposal HÜ 1
11	General and Inorganic Chemistry VL 3	Mathematics II GÜ 2	Technical Thermodynamics II GÜ 1	Drinking Water Supply VL 2
12	Fundamentals in Inorganic Chemistry PR 3			Drinking Water Supply HÜ 1
13	Fundamentals in Inorganic Chemistry GÜ 1			
14			<b>Mathematics III</b>	<b>Conventional Energy Systems and Energy Industry</b>
15	<b>Computer Science for Engineers - Introduction and Overview</b>	<b>Organic Chemistry</b>	Analysis III VL 2	Power Industry VL 1
16	Computer Science for Engineers - Introduction and Overview VL 3	Organic Chemistry VL 4	Analysis III GÜ 1	Energy markets and energy trading VL 2
17	Computer Science for Engineers - Introduction and Overview PR 3	Organic Chemistry PR 3	Analysis III HÜ 1	Fossil Energy Systems VL 2
18	Computer Science for Engineers - Introduction and Overview GÜ 2		Differential Equations 1 VL 2	Fuels I VL 1
19			Differential Equations 1 GÜ 1	
20			Differential Equations 1 HÜ 1	<b>Renewable Energies</b>
21	<b>Green Technologies I</b>	<b>Engineering Mechanics II (Elastostatics)</b>	<b>Measurement Technology for Chemical and Bioprocess Engineering</b>	Renewable Energies I VL 2
22	Meteorology and Climate Systems - Introduction VL 2	Engineering Mechanics II VL 2	Measurement Technology VL 2	Renewable Energies II VL 2
23	Introduction Green Technologies SE 2	Engineering Mechanics II GÜ 2	Physical Fundamentals of Measurement Technology VL 2	Renewable Energies I HÜ 1
24	Meteorology and Climate Systems - Introduction GÜ 2	Engineering Mechanics II HÜ 2	Practical Course Measurement Technology PR 2	Fuels II VL 1
25				
26				<b>Green Technologies II (part 2)</b>
27	<b>Engineering Mechanics I (Stereostatics)</b>		<b>Green Technologies II (part 1)</b>	Practical Exercise Environmental Technology PR 1
28	Engineering Mechanics I VL 2		Environmental Technologie VL 2	<b>Fundamentals of Mechanical Engineering Design</b>
29	Engineering Mechanics I GÜ 2		Pollutant analysis VL 2	Fundamentals of Mechanical Engineering Design VL 2
30	Engineering Mechanics I HÜ 1			Fundamentals of Mechanical Engineering Design HÜ 2
31				
32				<b>Fundamentals of Materials Science</b>
33				Fundamentals of Materials Science II VL 2
34				Fundamentals of Materials Science I VL 2
35				Physical and Chemical Basics of Materials Science VL 2
				<b>Reciprocating Machinery (part 1)</b>
				Fundamentals of Reciprocating Engines and Turbomachinery - Part Reciprocating Engines VL 1
				Fundamentals of Reciprocating Engines and Turbomachinery - Part Reciprocating Engines HÜ 1

Non-technical Courses for Bachelors (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.

