

Course of Study Energy and Environmental Engineering (Study Cohort w18)

Legend:
 Core Qualification Elective Compulsory
 Specialisation Elective Compulsory
 Focus Elective Compulsory
 Interdisciplinary complement

Sample course plan B Bachelor Energy and Environmental Engineering (EUTBS)	Semester 3	Semester 4	Semester 5	Semester 6
	Form Hrs/wk	Form Hrs/wk	Form Hrs/wk	Form Hrs/wk
1	Engineering Mechanics I Engineering Mechanics I VL 3	Engineering Mechanics II Engineering Mechanics II VL 3	Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD VL 2	Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics VL 2
2	Engineering Mechanics I GÜ 2	Engineering Mechanics II GÜ 2	Mechanical Design Project I PBL 3	Heat and Mass Transfer VL 2
3				Heat and Mass Transfer GÜ 1
4				Heat and Mass Transfer HÜ 1
5				
6				
7	Mathematics I Linear Algebra I VL 2	Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design VL 2		Environmental Technology (part 2) Practical Exercise Environmental Technology PR 1
8	Linear Algebra I GÜ 1	Fundamentals of Mechanical Engineering Design HÜ 2		
9	Linear Algebra I HÜ 1			Renewables and Energy Systems Renewable Energy VL 2
10	Analysis I VL 2			Energy Systems and Energy Industry VL 2
11	Analysis I GÜ 1			Power Industry VL 1
12	Analysis I HÜ 1			Renewable Energy GÜ 1
13				
14				
15	General and Inorganic Chemistry General and Inorganic Chemistry VL 3	Technical Thermodynamics I Technical Thermodynamics I VL 2	Electrical Machines and Actuators Electrical Machines and Actuators VL 3	Thermal Separation Processes Thermal Separation Processes VL 2
16	Fundamentals in Inorganic Chemistry PR 3	Technical Thermodynamics I HÜ 1	Electrical Machines and Actuators HÜ 2	Thermal Separation Processes GÜ 2
17	Fundamentals in Inorganic Chemistry GÜ 1	Technical Thermodynamics I GÜ 1		Thermal Separation Processes HÜ 1
18				Separation Processes PR 1
19				
20				
21	Introduction into Energy and Environmental Engineering Introduction to Energy and Environmental Engineering PBL 4		Informatics for Process Engineers Numeric and Matlab PR 2	Introduction to Control Systems Introduction to Control Systems VL 2
22	Physics-Lab for VT/ BVT/ EUT PR 2		Informatics for Process Engineers VL 2	Introduction to Control Systems GÜ 2
23			Informatics for Process Engineers GÜ 2	
24				Environmental Technology Environmental Assessment VL 2
25				Environmental Assessment GÜ 1
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Nontechnical Complementary 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.

