

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 A Bachelor Energy and Environmental Engineering (EUTBS)			Semester 3	Semester 4	Semester 5	Semester 6
Year	Course	Form Hrs/wk	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
2	Engineering Mechanics I	GÜ 2	Engineering Mechanics II	GÜ 2	Mechanical Design Project I	PBL 3
3						
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7	Mathematics I Linear Algebra I	VL 2	Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design	VL 2	Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics	VL 2
8	Linear Algebra I	GÜ 1	Fundamentals of Mechanical Engineering Design	HÜ 2	Fluid Mechanics for Process Engineering	HÜ 2
9	Linear Algebra I	HÜ 1				
10	Analysis I	VL 2				
11	Analysis I	GÜ 1				
12	Analysis I	HÜ 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
16	Fundamentals in Inorganic Chemistry	PR 3	Technical Thermodynamics I	HÜ 1	Electrical Machines and Actuators	HÜ 2
17	Fundamentals in Inorganic Chemistry	GÜ 1	Technical Thermodynamics I	GÜ 1		
18						
19						
20						
21	Introduction into Energy and Environmental Engineering Introduction to Energy and Environmental Engineering	PBL 4	Mathematics II Linear Algebra II	VL 2	Informatics for Process Engineers Numeric and Matlab	PR 2
22	Engineering		Linear Algebra II	GÜ 1	Informatics for Process Engineers	VL 2
23	Physics-Lab for VT/ BVT/ EUT	PR 2	Linear Algebra II	HÜ 1	Informatics for Process Engineers	GÜ 2
24			Analysis II	VL 2		
25			Analysis II	HÜ 1		
26			Analysis II	GÜ 1		
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33						
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.

