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

Sample	course plan A Bachelor Ene	argy and	Environmental Engineering (EUTBS)	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk	Semester 5	Form Hrs/wk	Semester 6	Form Hrs/wk
1	Engineering Mechanics I		Engineering Mechanics II		Mechanical Engineering: Design (part 1)		Fundamentals of Fluid Mechanics		Heat and Mass Transfer		Environmental Technology (part 2)	
_	Engineering Mechanics I Engineering Mechanics I	VL 3 GÜ 2	Engineering Mechanics II Engineering Mechanics II	VL 3 GÜ 2	Embodiment Design and 3D-CAD Mechanical Design Project I	VL 2 PBL 3	Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering	VL 2 HÜ 2	Heat and Mass Transfer Heat and Mass Transfer	VL 2 GÜ 1	Practical Exercise Environmental Technology	PR 1
2	Engineering Mechanics i	GU 2	Engineering mechanics ii	G0 2	mechanical besign Project i	FBL 3	Find Mechanics for Frocess Engineering	no z	Heat and Mass Transfer	HÜ 1	Renewables Energy Systems Renewable Energy	VL 2
3											Energy Systems and Energy Industry	VL 2
4					Basics of Electrical Engineering Basics of Electrical Engineering	VL 3					Power Industry	VL 1
5					Basics of Electrical Engineering	GŪ 2					Renewable Energy	GÜ 1
6												
7	Mathematics I Linear Algebra I	VL 2	Fundamentals of Mechanical Engineering De- Fundamentals of Mechanical Engineering Design	-			Electrical Machines and Actuators Electrical Machines and Actuators	VL 3	Introduction to Control Systems Introduction to Control Systems	VL 2		
8	Linear Algebra I	GÜ 1	Fundamentals of Mechanical Engineering Design				Electrical Machines and Actuators	HÜ 2	Introduction to Control Systems	GÜ 2	Advanced Mechanical Engineering Design	
9	Linear Algebra I	HÜ 1									Advanced Mechanical Engineering Design II Advanced Mechanical Engineering Design II	VL 2 HÜ 2
10	Analysis I	VL 2 GÜ 1			Technical Thermodynamics II							
11	Analysis I Analysis I	HÜ 1			Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1					Reciprocating Machinery (part 2)	
12					Technical Thermodynamics II	GÜ 1					Internal Combustion Engines I	VL 2 HÜ 1
13			Technical Thermodynamics I				Informatics for Process Engineers		Measurement Technology for Mechanical E	ngineers	Internal Combustion Engines I	HÜ 1
14			Technical Thermodynamics I	VL 2			Numeric and Matlab	PR 2	Measurement Technology for Mechanical	VL 2		
15	General and Inorganic Chemistry		Technical Thermodynamics I Technical Thermodynamics I	HÜ 1 GÜ 1			Informatics for Process Engineers Informatics for Process Engineers	VL 2 GÜ 2	Engineering Measurement Technology for Mechanical	HÜ 1	Bachelor Thesis	
16	General and Inorganic Chemistry	VL 3			Foundations of Management				Engineering			
17	Fundamentals in Inorganic Chemistry Fundamentals in Inorganic Chemistry	PR 3 GÜ 1			Introduction to Management	VL 3			Practical Course: Measurement and Control Systems	PR 2		
18	rundamentais in morganic Chemistry	GU 1			Management Tutorial	GŪ 2			Systems			
19			Mathematics II				Mechanical Engineering: Design (part 2)		Environmental Technology			
20			Linear Algebra II	VL 2			Team Project Design Methodology	PBL 2	Environmental Assessment	VL 2		
21	Introduction into Energy and Environmental		Linear Algebra II	GÜ 1			Mechanical Design Project II	PBL 3	Environmental Assessment	GÜ 1		
22	Engineering		Linear Algebra II Analysis II	HÜ 1 VL 2	Mathematics III			_,				
	Introduction to Energy and Environmental	PBL 4	Analysis II	HÜ 1	Analysis III	VL 2	Fundamentals of Materials Science (part Fundamentals of Materials Science II	VL 2	Environmental Technology (part 1) Environmental Technologie	VL 2		
23	Engineering Physics-Lab for EUT	PR 2	Analysis II	GÜ 1	Analysis III	GŪ 1			-			
24					Analysis III	HÜ 1			Advanced Mechanical Engineering Design (Advanced Mechanical Engineering Design I	part 1) VL 2		
25					Differential Equations 1 Differential Equations 1	VL 2 GÜ 1			Advanced Mechanical Engineering Design I	HÜ 2		
26					Differential Equations 1	HÜ 1						
27			Organic Chemistry						Mechanics III (Dynamics)			
28			Organic Chemistry Organic Chemistry	VL 4 PR 3					Mechanics III Mechanics III	VL 3 GÜ 2		
29									Mechanics III	HÜ 1		
30					Fundamentals of Materials Science (part 1							
31					Fundamentals of Materials Science I Physical and Chemical Basics of Materials Scien	VL 2						
32					mysical and chemical basics of materials scien	ICC VL Z						
33									Reciprocating Machinery (part 1)			
34									Fundamentals of Reciprocating Engines and	VL 1		
									Turbomachinery - Part Reciprocating Engines Fundamentals of Reciprocating Engines and	HÜ 1		
									Turbomachinery - Part Reciprocating Engines			
	Non-technical Courses for Bachelors	s (from ca	talogue) - 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.