Course of Study General Engineering Science (English program) (Study Cohort w15)

Sample course plan A Bachelor General Engineering Science (English program) (GESBS) Specialisation Mechanical Engineering, Focus Energy Systems

LP	Semester 1	FormHrs/wk	Semester 2 FormH	lrs/wk	Semester 3	FormHrs/wk	Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk
1	Chemistry (GES)		Physics for Engineers (GES) (part 2)		Technical Thermodynamics II		Mechanical Engineering: Design (par	rt 2)	Introduction to Control Systems		Foundations of Management	
2	Chemistry I Chemistry II Chemistry I	VL 2 VL 2 HÜ 1	Physics-Lab for ET/ AIW/ GES PR Fundamentals of Mechanical Engineering		Technical Thermodynamics II	VL 2 HÜ 1 UE 1	Team Project Design Methodology Mechanical Design Project II	POL 2 TT 3	Introduction to Control Systems Introduction to Control Systems	VL 2 UE 2	Introduction to Management Project Entrepreneurship	VL 4 POL 2
4	Chemistry II	HÜ 1	Design	_	recillical memodynamics ii	OE I	Fundamentals of Materials Science (part 2)				
-	· · · · · · ·		Fundamentals of Mechanical VL	2			Fundamentals of Materials Science II	· · ·				
5			Engineering Design Fundamentals of Mechanical HÜ	2								
6			Engineering Design	-			Advanced Mechanical Engineering D (part 2)	Design				
7	Linear Algebra				Computer Engineering		Advanced Mechanical Engineering	VL 2	Measurement Technology for Mechan Process Engineers	ical and	Reciprocating Machinery (part 2)	
8	Linear Algebra	VL 4 HÜ 2			·	VL 3	Design II		Measurement Technology for	VL 2	Internal Combustion Engines I	VL 2 HÜ 1
	Linear Algebra Linear Algebra	HU 2 UE 2			Computer Engineering	UE 1	Advanced Mechanical Engineering	HÜ 2	Mechanical and Process Engineers	VL Z	Internal Combustion Engines I	HU I
		02 2					Design II		Measurement Technology for	HÜ 1		
9			Technical Thermodynamics I	_			Signals and Systems		Mechanical and Process Engineers			
10			Technical Thermodynamics I VL Technical Thermodynamics I HÜ				Signals and Systems Signals and Systems	VL 3 HÜ 1	Practical Course: Measurement and Control Systems	PR 2		
11			Technical Thermodynamics I UE				Signals and Systems	по і	Control Systems		Bachelor Thesis	
12												
13					Mathematics III				Gas and Steam Power Plants			
_						VL 2			Gas and Steam Power Plants	VL 3		
14						UE 1			Gas and Steam Power Plants	HÜ 2		
15	Electrical Engineering I		Mathematical Analysis	_	Analysis III	HÜ 1	Fluid Dynamics					
16	Electrical Engineering I Electrical Engineering I	VL 3 UE 2	Mathematical Analysis VL Mathematical Analysis HÜ			VL 2	Fluid Mechanics Fluid Mechanics	VL 3 HÜ 1				
17	Electrical Engineering i	UE 2	Mathematical Analysis UE		· ·	UE 1	Fluid Mechanics	по і				
18			a.romanour /aryon	-	Differential Equations 1	HÜ 1						
19									Computational Fluid Dynamics I			
_									Computational Fluid Dynamics I	VL 2		
20				-					Computational Fluid Dynamics I	HÜ 2		
21	Mechanics I (GES)				Mechanics III (GES)		Mechanics IV (Kinetics II, Oscillation					
22	Mechanics I Mechanics I	VL 2 HÜ 3				HÜ 1 UE 2	Analytical Mechanics, Multibody Sys	VL 3				
23	Mechanics I	HU 3	Electrical Engineering II			VL 3	Mechanics IV	UE 2				
24			Electrical Engineering II VL		Woonanios III	VL 0	Mechanics IV	HÜ 1				
25			Electrical Engineering II UE	2					Heat Transfer			
									Heat Transfer	VL 3		
26									Heat Transfer	HÜ 1		
27	Physics for Engineers (GES) (part 1)				Mechanical Engineering: Design (part		Electrical Machines					
28	Physics for Engineers	VL 2				VL 2	Electrical Machines	VL 3				
29	Physics for Engineers	UE 1	Mechanics II (GES)		Mechanical Design Project I	ТТ 3	Electrical Machines	HÜ 2				
30			Mechanics II VL	2	Fundamentals of Materials Science (pa	art 1)						
31			Mechanics II HÜ	2	Fundamentals of Materials Science I				Reciprocating Machinery (next 1)			
					Physical and Chemical Basics of	VL 2			Reciprocating Machinery (part 1) Fundamentals of Reciprocating	VL 1		
32					Materials Science				Engines and Turbomachinery - Part			
									Pacing Engines			

				Fundamentals of Reciprocating HÜ 1 Engines and Turbomachinery - Part Reciprocating Engines
33				
34			Advanced Mechanical Engineering Design	
35		Programming in C	(part 1) Advanced Mechanical Engineering VL 2 Design I	
36	1	Programming in C VL 1		
		Programming in C PR 1	Advanced Mechanical Engineering HÜ 2	
			Design I	
	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.