Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w16)

Sample course plan B. Bachelor General Engineering Science (English program, 7 semester) (GESBS(7))

Legend:

le course plan B Bachelor	r General	Engineering Science (Englis	sh progr	am, 7 semester) (GESBS(7))		Legend:						
alisation Energy and Envir							lification Compulsory	Specialisation Co		Focus Compute	sory	Thesis Compulsory
						Core qua Compuls	lification Elective ory	Specialisation Ele Compulsory	ective	Focus Elective	Compulsory	Interdisciplinary complement
Semester 1	Formelrs	/wSkemester 2	Formers	Wokemester 3 For	Hrs/Wakemester 4	Formelr	s/wSkemester 5	Formitirs	/wSkemester 6	6	FormHrs/v	Sekemester7 Formi
Chemistry (GES)	VL 2	Fundamentals of Mecha Engineering Design	anical	Technical Thermodynamic	Mechanical Engine	ering:	Introduction to Systems	Control	Foundatio	ns of Mana	gement /	Advanced Internship GES
Chemistry I Chemistry II	VL 2 VL 2	Fundamentals of	VL 2	Technical VL	2 Team Project Design	PBL2	,	ontrol VL 2	Manageme		VL 3	
Chemistry I	HÜ 1	Mechanical Engineering Design		Thermodynamics II Technical HÜ	Methodology 1 Mechanical Design	TT 3	Systems Introduction to C	ontrol UE 2	Manageme	nt Tutorial	HÜ 2	
Chemistry II	HÜ 1		HÜ 2	Thermodynamics II	Project II	11.5	Systems					
		Mechanical Engineering Design		Technical UE Thermodynamics II	1 Fundamentals of M Science (part 2)	aterials						
					Fundamentals of Materials Science II	VL 2						
-					Fundamentals of F							
Linear Algebra		Technical Thermodyna	mics I	Mathematics III	Mechanics	ula	Heat and Mass	Transfer	Thermal S	eparation		
Linear Algebra	VL 4		VL 2	Analysis III VL	2 Fundamentals of Flu Mechanics	id VL 2	Heat and Mass T	Fransfer VL 2	Processes			
Linear Algebra	HÜ 2	Thermodynamics I Technical	HÜ 1	Analysis III UE	1 Eluid Mechanics for	HÜ 2	Heat and Mass T		Separation	Processes	PR 1	
Linear Algebra	UE 2	Thermodynamics I	110 1	Analysis III HÜ Differential Equations 1 VL	¹ Process Engineering	- The second sec	Heat and Mass T	Fransfer HU 1		ental Techno	ology	
		Technical Thermodynamics I	UE 1	Differential Equations 1 UE					(part 2) Practical E	xercise	PR 1	
		memouynamics i		Differential Equations 1 HÜ	1				Environmer Technology			
										echnology a cess Engin		
									Particle Te	-	VL 2	
_					Electrical Machines	;			Particle Te	chnology I	UE 1	
-		Mathematical Analysis			Electrical Machines	VL 3	Thermal Separa Processes (part		Particle Te	chnology I	PR 2	
Electrical Engineering	al	,	VL 4 HÜ 2	Mechanics III (GES)	Electrical Machines	HÜ 2	Thermal Separati		Environme	ental Techno	oloav	
Electrical Engineering I	-		UE 2	Mechanics III HÜ	1		Processes		Environme		VL 2	
Electrical Engineering I	UE 2			Mechanics III UE			Thermal Separati Processes	ion UE 2	Assessmer			
				Mechanics III VL	3		Thermal Separati Processes	ion HÜ 1	Environmer Assessmer		UE 1	
					Renewables and Er	nergy	Gas and Steam	Power Plants	Process a	nd Plant		
-					Systems		Gas and Steam F	Power VL 3	Engineeri	•		Bachelor Thesis
Machanias L (050)		Flootnical Frankrassi			Renewable Energy Energy Systems and	VL 2 VL 2		Power Lill o	Process an Engineering		VL 2	
Mechanics I (GES) Mechanics I	VL 2	Electrical Engineering I Electrical Engineering II		Computer Engineering VL	Enorgy Industry	VL 2	Plants	ower HU 2	Process an	d Plant	HÜ 1	
					Bower Industry	VL 1			Engineering	j		
Mechanics I	HÜ 3	Electrical Engineering II	UE 2	Computer Engineering UE	Renewable Energy	UE 1			Process an	d Dlant	UE 1	

25 26 27				Measurement Tech for Mechanical and Engineers Measurement
8	Programming in C Programming in C VL 1 Programming in C PR 1	Mechanics II (GES)Mechanics IIVL 2Mechanics IIHÜ 2	Mechanical Engineering: Design (part 1) Embodiment Design and VL 2 3D-CAD	Measurement Technology for Mechanical and Proc Engineers
9	Physics for Engineers (GES) Physics for Engineers VL 2 Physics for Engineers UE 1		Mechanical Design TT 3 Project I	Measurement Technology for Mechanical and Proce Engineers
	Flysics for Engineers OL T			Practical Course: Measurement and Control Systems
30 31			Fundamentals of Materials Science (part 1)	Environmental Tech (part 1)
			Fundamentals of VL 2 Materials Science I	Environmental Technologie
32 33			Physical and Chemical VL 2 Basics of Materials Science	
	Nontechnical Complementary Co	urses for Bachelors (from catalog	ue) - 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.