Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w18)

Sample course plan A Bachelor General Engineering Science (English program, 7 semester) (GESBS(7)) Specialisation Energy and Environmental Engineering

	Legend:							
	Core qualification Compulsory	Specia	alisation Compulsory	Focus Co	ompulsory	,	Thesis Compulsory	
	Core qualification Elective Compulsory	Specia Comp	alisation Elective ulsory	Focus El	ective Co	mpulsory	Interdisciplinary complement	
Formers	/សkmester 5 F	ormins	/&kmester 6		For M rs,	∕ &k mest	er 7	For hh rs/wk
ring:	Introduction to Contro Systems	ol	Foundations o Management	f		Advano GES	ced Internship	AIW/
PBL2	Introduction to Control Systems	/L 2	Introduction to Management		VL 3			
PBL3	Introduction to Control Systems	JE 2	Management Tu	torial	UE 2			
oart 2) VL 2								
uid								
	Heat and Mass Transf	er	Environmental					
VL 2	Heat and Mass \\ Transfer	/L 2	Technology (p		PR 1			
HÜ 2	Heat and Mass U Transfer	JE 1	Environmental Technology					
	Heat and Mass F Transfer	⊣Ü 1	Particle Techn Solids Process Engineering		and			
			Particle Technol	ogy I	VL 2			
and			Particle Technol	ogy I	UE 1			
VL 3	Thermal Separation Processes		Particle Technol	ogy I	PR 2			
HÜ 2	Thermal Separation \ Processes	/L 2	Environmental Technology	l				
	Thermal Separation U	JE 2	Environmental Assessment		VL 2			
	Thermal Separation Frocesses	HÜ 1	Environmental Assessment		UE 1			
	Separation Processes F	PR 1	Informatics for	r Proce	ess			

								Compulsory	npulsory		complement	
LP	Semester 1	Formers	/ស្ឌkmester 2 Forhh	rs/ &k mester 3	Formers	/ &k mester 4	Formirs	/www.ester 5 Fort	hrs/\skmester 6	Formers	/&kmester 7 For	itt rs/wk
1	Chemistry (GES) Chemistry I	VL 2	Technical Thermodynamics I	Technical Thermodynamics II		Mechanical Enginee Design (part 2)	ering:	Introduction to Control Systems	Foundations of Management		Advanced Internship AIV GES	N/
3	Chemistry II	VL 2	Technical VL 2 Thermodynamics I	Technical Thermodynamics II	VL 2	Team Project Design Methodology	PBL2	Introduction to VL Control Systems	2 Introduction to Management	VL 3		
	Chemistry II	HÜ 1 HÜ 1	Technical HÜ 1 Thermodynamics I	Technical Thermodynamics II	HÜ 1	Mechanical Design Project II	PBL3	Introduction to UE Control Systems	2 Management Tutorial	UE 2		
4			Technical UE 1 Thermodynamics I		UE 1	Fundamentals of		·				
						Materials Science () Fundamentals of Materials Science II	VL 2					
6						Fundamentals of Fl	uid					
7	Linear Algebra		Mathematical Analysis	Mathematics III		Mechanics		Heat and Mass Transfer	Environmental			
	Linear Algebra	VL 4	Mathematical Analysis VL 4	Analysis III	VL 2	Fundamentals of Fluid Mechanics	VL 2	Heat and Mass VL Transfer	Technology (part 2) Practical Exercise	PR 1		
	Linear Algebra Linear Algebra	HÜ 2 UE 2	Mathematical Analysis HÜ 2 Mathematical Analysis UE 2	Analysis III Analysis III	UE 1 HÜ 1	Fluid Mechanics for Process Engineering	HÜ 2	Heat and Mass UE Transfer	E	111 1		
8				Differential Equations	VL 2			Heat and Mass HÜ	Particle Technology	and		
9				Differential Equations	UE 1			Transfer	Solids Process Engineering			
11				Differential Equations	HÜ 1				Particle Technology I	VL 2		
12 13				1		Electrical Machines	and		Particle Technology I	UE 1		
14						Actuators Electrical Machines	VL 3	Thermal Separation Processes	Particle Technology I	PR 2		
15	Electrical Engineering	ng I	Electrical Engineering II	Mechanics III (GES)		and Actuators Electrical Machines	HÜ 2	Thermal Separation VL Processes	Environmental Technology			
16	Electrical Engineering	VL 3	Electrical Engineering VL 3	Mechanics III Mechanics III	HÜ 1 UE 2	and Actuators	110 2	Thermal Separation UE Processes	Environmental Assessment	VL 2		
	Electrical Engineering	UE 2	Electrical Engineering UE 2		VL 3			Thermal Separation HÜ Processes	Environmental Assessment	UE 1		
17								Separation Processes PR	Informatics for Prod	ess		
18 19						Renewables and En	ergy		Engineers			
20						Systems	\/I 2	Measurement Technolog for Mechanical Engineer		PR 2	Bachelor Thesis	
21	Mechanics I (GES)		Mechanics II (GES)	Computer Engineeri	ina	Renewable Energy Energy Systems and	VL 2 VL 2	Measurement VL		VL 2		
22	Mechanics I	VL 2	Mechanics II VL 2		_	Energy Industry		Technology for	Informatics for	UE 2		
23	Mechanics I	HÜ 3	Mechanics II HÜ 2			Power Industry	VL 1	Mechanical Engineering	Process Engineers			
_						Renewable Energy	UE 1	Measurement HÜ	L			
24						l		Technology for				

25 26			
28	ogramming in C	Fundamentals of	Mechanical Engineering:
	ogramming in C VL 1 ogramming in C PR 1	Mechanical Engineering (GES) Fundamentals of VL 2	Design (part 1) Embodiment Design VL 2 and 3D-CAD
	nysics for Engineers	Mechanical Engineering	Mechanical Design PBL3 Project I
30 Phys	ysics for Engineers VL 2	Fundamentals of UE 2 Mechanical	Fundamentals of
	ysics for Engineers UE 1	Engineering	Materials Science (part 1)
			Fundamentals of VL 2
32			Materials Science I

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.