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

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

## Legend:

nple course plan A Bachelor General Engineering Science (English program, 7 semester) (GESBS(7))							Legend:						
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		0					Core quali Compulso	fication Elective ry	Specialisation Ele Compulsory	ective	Focus Elective	Compulsory	Interdisciplinary complement
Semester 1	FormHrs	Weemester 2	Formers	Wokemester 3 Fo	ormHrs/	Webemester 4	FormHrs	/wSkemester 5	Formers	/wSkemester 6	3	FormHrs/w⊗	kemester 7 FormHr
Chemistry (GES)		Fundamentals of Mecha	anical	Technical Thermodynami	ics	Mechanical Engineerin	g:	Introduction to	Control	Foundatio	ns of Manag	ement A	dvanced Internship GES
Chemistry I	VL 2	Engineering Design		П		Design (part 2)		Systems		Introduction	n to	VL 3	
Chemistry II	VL 2	Fundamentals of	VL 2		L 2	, .	PBL2	Introduction to C	ontrol VL 2	Manageme	nt		
Chemistry I	HÜ 1	Mechanical Engineering Design		Thermodynamics II		Methodology	<b>TT</b> 0	Systems		Manageme	nt Tutorial	HÜ 2	
Chemistry II	HÜ 1	e e	HÜ 2	Technical HI Thermodynamics II	Ü 1	Mechanical Design Project II	TT 3	Introduction to Construction Systems	ontrol UE 2				
-		Mechanical Engineering		· ·	E 1			-,					
-		Design		Thermodynamics II		Fundamentals of Mater	ials						
						Science (part 2)	VL 2						
						Fundamentals of Materials Science II	VL 2						
						Fundamentals of Fluid							
Linear Algebra		Technical Thermodyna	mics I	Mathematics III		Mechanics		Heat and Mass	Transfer	Thermal S	eparation		
Linear Algebra	VL 4	Technical	VL 2	Analysis III VI	L 2		VL 2	Heat and Mass T	ransfer VL 2	Processes	(part 2)		
Linear Algebra	HÜ 2	Thermodynamics I		Analysis III UI	E 1	Mechanics		Heat and Mass T	ransfer UE 1	Separation	Processes	PR 1	
Linear Algebra	UE 2		HÜ 1	Analysis III HI	Ü 1	Fluid Mechanics for Process Engineering	HÜ 2	Heat and Mass T	ransfer HÜ 1	Environm	ental Techno	loav	
		Thermodynamics I	UE 1	Differential Equations 1 VL	L 2	Lighteening				(part 2)			
		Technical Thermodynamics I	UEI	Differential Equations 1 UI	E 1					Practical E	xercise	PR 1	
		, i		Differential Equations 1 H	Ü 1					Environme Technology			
-										rechnology			
-											chnology ar		
										Particle Te	-	VL 2	
						Electrical Machines				Particle Te		UE 1	
		Mathematical Analysis				Electrical Machines	VL 3	Thermal Separa	tion	Particle Te		PR 2	
		Mathematical Analysis	VL 4			Electrical Machines	HÜ 2	Processes (part	1)				
Electrical Engineering	L		HÜ 2	Mechanics III (GES)				Thermal Separati	on VL 2	Environm	ental Techno	ology	
Electrical Engineering I	VL 3	Mathematical Analysis	UE 2	Mechanics III HI	Ü 1			Processes		Environme		VL 2	
Electrical Engineering I	UE 2			Mechanics III UI	E 2			Thermal Separati Processes	on UE 2	Assessme			
				Mechanics III VI	L 3			Thermal Separati	on HÜ 1	Environme		UE 1	
								Processes		A336331161	n.		
						Panawahlas and Frank		Cop and Steam	Dowor Dianta	Informatio	o for Droos		
						Renewables and Energ Systems	y	Gas and Steam Gas and Steam F		Engineers	s for Proces		achelor Thesis
						Renewable Energy	VL 2	Plants	-ower vL 3	Numeric ar		PR 2	
Mechanics I (GES)		Electrical Engineering	11	Computer Engineering		Energy Systems and	VL 2	Gas and Steam F	Power HÜ 2		for Process		
	VL 2	Electrical Engineering II			L 3	Energy Industry		Plants		Engineers			
Mechanics I			-	5 5 5		Power Industry	VL 1			Informatics	for Process	LIE 2	
Mechanics I Mechanics I	HÜ 3	Electrical Engineering II	UE 2	Computer Engineering UI	E 1	Fower muustry	VL 1					OLL	
	HÜ 3	Electrical Engineering II	UE 2	Computer Engineering UI	E 1	Renewable Energy	UE 1			Engineers			

-			for Mechanical and P Engineers
Programming in C     Programming in C   VL 1     Programming in C   PR 1		Embodiment Design and VL 2	Measurement Technology for Mechanical and Proces Engineers
Physics for Engineers (GES) Physics for Engineers VL 2		Mechanical Design TT 3 Project I	Measurement Technology for Mechanical and Proces Engineers
Physics for Engineers UE 1			Practical Course: Measurement and Control Systems
-		Fundamentals of Materials Science (part 1)	Environmental Techn (part 1)
		Fundamentals of VL 2 Materials Science I	Environmental Technologie
		Physical and Chemical VL 2 Basics of Materials Science	
	Programming in C VL 1 Programming in C PR 1 Physics for Engineers (GES)	Programming in C VL 1 Mechanics II VL 2   Programming in C PR 1 Mechanics II HÜ 2   Physics for Engineers (GES) Physics for Engineers VL 2	Programming in C VL 1 Mechanics II VL 2 Design (part 1)   Programming in C PR 1 Mechanics II HÜ 2 Embodiment Design and VL 2   Physics for Engineers (GES) VL 2 Mechanics II HÜ 2 Mechanical Design TT 3   Physics for Engineers VL 2 Fundamentals of Materials Fundamentals of Materials   Science (part 1) Fundamentals of VL 2 Mechanical VL 2 Mechanical VL 2   Physics for Engineers VL 2 Mechanical VL 2 Mechanical VL 2   Physics for Engineers VL 2 Mechanical VL 2 Mechanical VL 2   Physics for Engineers VL 2 Mechanical VL 2 Mechanical VL 2   Physics for Engineers VL 1 Project I Project I   Physics for Engineers VL 2 Mechanical VL 2 Project I   Physical and Chemical VL 2 Materials Science I Physical and Chemical VL 2   Physical and Chemical VL 2 Physical and Chemical VL 2 Physical and Chemical VL 2

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