## 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:

ple course plan A Bachelo					6(7))		Core qual	ification Compulsory	Specialisation Co	mnulson	Focus Compuls	son/	Thesis Compulsory	
cialisation Mechanical Engi	neering, Fo	ocus Materials in Engineer	ring Scier	nces			Core qual	fication Elective	Specialisation Ele		Focus Elective	-	Interdisciplinary complement	nt
Semester 1	Formelrs	Weinester 2	Formelins	Weemester 3	Formelins	/wokemester 4	Compulso Formers	/wokeemester 5	Compulsory	/wSkemester	6	Eorteirs/v	ökemester 7 F	ormini
	Formits										-			-
Chemistry (GES)	<b>N</b> // 0	Fundamentals of Mech Engineering Design	anicai	Technical Thermodyn	amics	Mechanical Engineeri Design (part 2)	ng:	Computer Engi	-		ons of Manag	· ·	Advanced Internship GE	5
Chemistry I	VL 2	Fundamentals of	VL 2	Technical	VL 2	Team Project Design	PBL2	Computer Engine	U U	Introductio Manageme		VL 3		
Chemistry II	VL 2	Mechanical Engineering		Thermodynamics II		Methodology		Computer Engine	eering UE 1	-	ent Tutorial	HÜ 2		
Chemistry I	HÜ 1	Design		Technical	HÜ 1	Mechanical Design	TT 3			managome				
Chemistry II	HÜ 1	Fundamentals of	HÜ 2	Thermodynamics II		Project II								
		Mechanical Engineering Design		Technical Thermodynamics II	UE 1	Fundamentals of Mate Science (part 2)	erials							
						Fundamentals of	VL 2							
						Materials Science II	VL 2							
				••••		Advanced Mechanical Engineering Design (			<b>A</b>					
Linear Algebra		Technical Thermodyna		Mathematics III		Advanced Mechanical	VL 2	Introduction to Systems	Control	Ennanced Materials	Fundamenta	als of		
Linear Algebra	VL 4	Technical Thermodynamics I	VL 2	Analysis III	VL 2	Engineering Design II	VL 2	Introduction to C	ontrol VL 2	Enhanced		VL 2		
Linear Algebra	HÜ 2 UE 2	Technical	HÜ 1	Analysis III	UE 1	Advanced Mechanical	HÜ 2	Systems			tals: Metals			
Linear Algebra	UE 2	Thermodynamics I		Analysis III	HÜ 1	Engineering Design II		Introduction to C	ontrol UE 2	Enhanced		VL 2		
		Technical	UE 1	Differential Equations 1 Differential Equations 1	VL 2 UE 1	Fluid Dynamics		Systems		Fundamen	tals: and Polymers			
		Thermodynamics I		Differential Equations 1		Fluid Mechanics	VL 3			Enhanced	and Folymers	НÜ 1		
_					110 1	Fluid Mechanics	HÜ 2			Fundamen	tals:	110 1		
										Ceramics	and Polymers			
		Mathematical Analysis						Measurement T	echnology	Structural	Materials (p	art 2)		
		Mathematical Analysis	VL 4					for Mechanical	and Process	Fundamen		VL 2		
Electrical Engineerin	ng I	Mathematical Analysis	HÜ 2	Mechanics III (GES)		Mechanics IV (Kinetic		Engineers			I Properties			
Electrical Engineering	I VL 3	Mathematical Analysis	UE 2	Mechanics III	HÜ 1	Oscillations, Analytic		Measurement Technology for	VL 2	of Material	S			
Electrical Engineering	UE 2			Mechanics III	UE 2	Mechanics, Multibody Systems)	/	Mechanical and I	Process	Electrical	Machines			
_				Mechanics III	VL 3	Mechanics IV	VL 3	Engineers		Electrical N	Machines	VL 3		
						Mechanics IV	UE 2	Measurement	HÜ 1	Electrical N	Machines	HÜ 2		
						Mechanics IV	HÜ 1	Technology for Mechanical and I	Process					
								Engineers						
								Practical Course						
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Machanica L (OFO)		Electrical Engineering		Machanical Engineeri		Signala and Sustan		Numerical Mathe	ematics VL 2					
Mechanics I (GES)	\/I2	Electrical Engineering II		Mechanical Engineerin Design (part 1)	iig:	Signals and Systems	VI 2	Numerical Mathe	matics LIE 2					
Mechanics I Mechanics I	VL 2 HÜ 3	Electrical Engineering II		Embodiment Design and	dVL 2	Signals and Systems Signals and Systems	VL 3 HÜ 1							
	10.3	Liectrical Lingineering II		3D-CAD		orginals and oystems	10 1							
				Mechanical Design	TT 3									

28 Advanced Mechanical Engineering Design (part 1) Material Science Laboratory   30 Physics for Engineers VL 2 Physics for Engineers Advanced Mechanical VL 2 Engineering Design 1 Companion Lecture for VL 2 Materials Science Laboratory   31 Science Indication PR 4   32 Science Indication Science Indication	24 25 26 27	Programming in C Programming in C VL 1 Programming in C PR 1	Mechanics II (GES) Mechanics II VL 2 Mechanics II HÜ 2	Project I Fundamentals of Materials Science (part 1) Fundamentals of VL 2 Materials Science I Physical and Chemical VL 2 Basics of Materials Science	Structural Materials (part 1) Welding Technology VL 3
	29 30 31	Physics for Engineers VL 2		Engineering Design (part 1) Advanced Mechanical VL 2 Engineering Design I Advanced Mechanical HÜ 2	Companion Lecture for VL 2 Materials Science Laboratory Material Science PR 4

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