Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w18) Legend: Core gualification

Sample course plan B Bachelor General Engineering Science (English program, 7 semester) (GESBS(7)) Specialisation Mechanical Engineering Focus Biomechanics

Specia	alisation Mechanical Engi	ineering	, Focus Biomechanics						Core qualification Elective Compulsory	Specia Compu	alisation Elective ulsory	Focus Elective Co		disciplinary plement	
LP	Semester 1	For h hrs,	/ଭିkemester 2 F	or h hrs/	ଏହିkmester 3	For h hrs	/ଜkmester 4	For h hrs	Wolkemester 5 Fo	or h hrs,	/&kmester 6	Formin	/&kemester 7	For in hi	·s/wk
1 2	Chemistry (GES) Chemistry I	VL 2	Technical Thermodynamics I		Technical Thermodynamics II		Mechanical Enginee Design (part 2)	ring:	Computer Engineering Computer Engineering V		Foundations of Management	of	Advanced GES	Internship AIW,	'
3	Chemistry II	VL 2	Technical V Thermodynamics I	/L 2	Technical Thermodynamics II	VL 2	Team Project Design Methodology	PBL2	Computer Engineering U	E 1	Introduction to Management	VL 3			
	Chemistry I Chemistry II	HÜ 1 HÜ 1	Technical H Thermodynamics I	ΗÜ 1	Technical Thermodynamics II	HÜ 1	Mechanical Design Project II	PBL3			Management Tu	utorial UE 2			
4 5	-			JE 1	Technical Thermodynamics II	UE 1	Fundamentals of								
5							Materials Science (p Fundamentals of	oart 2) VL 2							
6	-						Materials Science II Advanced Mechanica	-1							
7 8	Linear Algebra Linear Algebra Linear Algebra	HÜ 2	Mathematical Analysis Mathematical Analysis A Mathematical Analysis F	/L 4 HÜ 2	Mathematics III Analysis III Analysis III	VL 2 UE 1	Engineering Design 2) Advanced Mechanical Engineering Design II	(part	Introduction to Contro Systems Introduction to V Control Systems		MED II: Introd Physiology Introduction to Physiology	luction to VL 2			
9	Linear Algebra	UE 2	Mathematical Analysis L	JE 2	Analysis III Differential Equations 1	HÜ 1 VL 2	Advanced Mechanical Engineering Design II	HÜ 2	· · · · · · · · · · · · · · · · · · ·	E 2	, ,,				
10 11	-				Differential Equations 1	UE 1	Fluid Dynamics Fluid Mechanics	VL 3			BIO I: Experim				
12	-				Differential Equations 1	HÜ 1	Fluid Mechanics	HÜ 2			Methods in Bi Experimental M in Biomechanics	lethods VL 2			
13 14									Measurement Technol for Mechanical Engine		Fundamentals Production an				
15 16 17 18	Electrical Engineerin Electrical Engineering I	VL 3	Electrical Engineering Electrical Engineering \ II	/L 3	Mechanics III (GES) Mechanics III Mechanics III	HÜ 1 UE 2	Mechanics IV (Kineti Oscillations, Analyti Mechanics, Multiboo Systems)	cal	Measurement V Technology for Mechanical Engineering	L 2	Management Production Proc Organization Quality Manage				
	Electrical Engineering I	UE 2	Electrical Engineering L	JE 2	Mechanics III	VL 3	Mechanics IV Mechanics IV Mechanics IV	VL 3 UE 2 HÜ 1	Measurement H Technology for Mechanical Engineering	Ü 1	() · ·				
									Practical Course: P Measurement and Control Systems	R 2					
19 20									Numerical Mathematic				Bachelor 1	hesis	
21									Numerical V Mathematics I	L 2					
22	Mechanics I (GES)		Mechanics II (GES)		Mechanical Enginee	ring:	Signals and Systems	5	Numerical U	E 2					

Specialisation Compulsory Focus Compulsory

Compulsory

Thesis Compulsory

23	Mechanics I VL 2 Mechanics I HÜ 3		Design (part 1) Embodiment Design VL 2 and 3D-CAD Mechanical Design PBL3 Project I	Signals and Systems VL 3 Signals and Systems UE 2	Mathematics I	
24 25 26			Fundamentals of Materials Science (part 1) Fundamentals of VL 2		MED II: Introduction to Biochemistry and	
27	Programming in CProgramming in CVL 1Programming in CPR 1	(GES) Fundamentals of VL 2	Materials Science I Physical and Chemical VL 2 Basics of Materials Science	MED I: Introduction to Anatomy Introduction to VL 2 Anatomy	Molecular BiologyIntroduction toVL 2Biochemistry andMolecular Biology	
28 29 30	Physics for Engineers (GES) Physics for Engineers VL 2 Physics for Engineers UE 1	5 5	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical VL 2 Engineering Design I	MED I: Introduction to Radiology and Radiation Therapy	BIO I: Implants and Fracture Healing Implants and Fracture VL 2 Healing	
31 32	Physics for Engineers OE 1		Advanced Mechanical HÜ 2 Engineering Design I	Introduction to VL 2 Radiology and Radiation Therapy		
52	Nontechnical Complementary	Courses for Bachelors (from cat	alogue) - 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.