**Course of Study Engineering Science (Study Cohort w20)** 

peciali	isation:Mechatronics	FormHrs/wk	Semester 2 Fo	ormHrs/wk	Semester 3 For	rmHrs/wk	Semester 4	FormHrs/wk	Semester 5 For	rmHrs/wk	Semester 6	FormHrs/wk	Semester 7	FormHrs/
1 2	Chemistry (GES) Chemistry I+II Chemistry I+II	VL 4 HÜ 2		VL 4 HÜ 2		) L 2 BL 3	Mechanical Engineering: Design (p Team Project Design Methodology Mechanical Design Project II	PBL 2		/L 2	Fundamentals of Production and Qui Management Production Process Organization	vality	Advanced Internship AIW/ ES Advanced Internship AIW/ ES: Preparation	SE 1
4	Citemstry ITII HU 2	110 2		GÜ 2	Engineering Mechanics III (EN) Mechanics III HÜ 1	Fundamentals of Materials Science (EN) (part		Numerical Mathematics ( Go	10 2		VL 2	Advanced Intenship AIW/ ES: Internship- accompanying Seminar	- SE 1	
5					Mechanics III Gi	Ü 2 L 3	Fundamentals of Materials Science II  Electromagnetics for Engineers I: 1	VL 2						
7	Linear Algebra Linear Algebra Linear Algebra	VL 4 HÜ 2					Independent Fields Electromagnetics for Engineers I: Time Independent Fields			/L 3 IÜ 2	Modeling, Simulation and Optimization Modeling, Simulation and Optimization			
9	Linear Algebra GÜ 2	GÜ 2	Electrical Engineering II (GES)           Electrical Engineering II         VL 3           Electrical Engineering II         GÜ 2		Fundamentals of Materials Science (EN)	Electromagnetics for Engineers Independent Fields nce (EN) (part		ne- GU 2	Introduction to Control Systems (EN)					
11 12 13					Fundamentals of Materials Science l VL 2 Physical and Chemical Basics of Materials VL 2 Science		Computational Mechanics (EN) Computational Mechanics IV	IV 4			Foundations of Management (EN)			
4				Computer Science for Engineers (EN)  **** Computer Science for Engineers VL 0	Computational Mechanics GÜ	GÜ 2	Introduction to Control Systems VI	/L 2 iŪ 2	*** Introduction to Management  *** Introduction to Management	VL 3 GÜ 3				
16 17	Electrical Engineering I Electrical Engineering I	VL 3 GÜ 2	Mechanics II	VL 2 HÜ 2	**** Computer Science for Engineers Gl	Ü 3								
18 19							Signals and Systems (EN) Signals and Systems Signals and Systems	GÜ 2 VL 3	Measurement Technology for Mechanica	al	Semiconductor Circuit Design		Bachelor Thesis	
20	Engineering Mechanics I (GES) Mechanics I VL Mechanics I HÜ		Fundamentals of Mechanical Engineering Design (GES) Fundamentals of Mechanical Engineering VL 2 Fundamentals of Mechanical Engineering GÜ 2	eering		L 2 Ü 1			Measurement Technology for Mechanical VI Engineering		Semiconductor Circuit Design Semiconductor Circuit Design	VL 3 GÜ 1		
22		VL 2 HÜ 3			Analysis III G Differential Equations 1	GÜ 1 VL 2 HÜ 1			Measurement Technology for Mechanical HÚ 1 Engineering Practical Course: Measurement and PR 2					
24 25						0 1			Control Systems  Functional Programming		Mathematics IV (EN)			
26 27	Physics for Engineers (GES)		Technical Thermodynamics I (GES)						Functional Programming Hi	/L 2 IÜ 2 iŪ 2	Differential Equations 2 Differential Equations 2 Differential Equations 2	VL 2 HÜ 1 GÜ 1		
18	Physics for Engineers Physics for Engineers	VL 2 GÜ 1	· · · · · · · · · · · · · · · · · · ·	IV 3 GÜ 1							Complex Functions Complex Functions Complex Functions	VL 2 HÜ 1 GÜ 1		
30 31 32	<b>GES 101</b> GES 101	SE 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.