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

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

Speci	specialisation Mechanical Engineering, Focus Theoretical Mechanical Engineering							Core qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement					
LP	Semester 1	Formithrs	/֍ k mester 2	Formittrs	ശ്ഷmester 3	Formit	/ଭିkemester 4 Fo	or h hrs/	wikemester 5 Formirs	/ଭିkmester 6	Formit	/ଏହkmester 7 େ ୮୦	or h hrs/w
1 2 3 4 5	Chemistry (GES) Chemistry I Chemistry II Chemistry I Chemistry II	VL 2 VL 2 HÜ 1 HÜ 1	Thermodynamics I Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II		Methodology Mechanical Design PB Project II Fundamentals of Materials Science (part	3L2 3L3	Computer Engineering VL 3 Computer Engineering VL 3 Computer Engineering UE 1	Foundations of Management Introduction to Management Management Tutoria	VL 3 I UE 2	Advanced Internship A GES	AIW/
6 7 8 9 10 11 12 13	Linear Algebra HÜ	VL 4 HÜ 2 UE 2	Mathematical Analysis HÜ 2	VL 4 HÜ 2	Mathematics IIIV.2Analysis IIIUE1Analysis IIIUE1Analysis IIIHÜ1Differential Equations22Differential Equations11Differential Equations11111		- 2) 2 - 3) 2	Introduction to Control Systems Introduction to VL 2 Control Systems Introduction to UE 2 Control Systems	Mathematics IV Complex Functions Complex Functions Complex Functions Differential Equations 2 Differential Equations 2 Differential Equations 2 Advanced Material	5 UE 1 5 HÜ 1			
14 15 16 17 18	Electrical Engineerin Electrical Engineering I Electrical Engineering I	VL 3	Electrical Engineering Electrical Engineering II Electrical Engineering II	VL 3	Mechanics III (GES) Mechanics III Mechanics III Mechanics III	HÜ 1 UE 2 VL 3	Mechanics IV UE	II, - 3 = 2 U 1	for Mechanical Engineers	Advanced Materials Characterization Advanced Materials Design Advanced Materials Design	VL 2 VL 2 HÜ 2		
19 20 21 22 23	Mechanics I (GES)	VL 2	Mechanics II (GES) Mechanics II	VL 2	Mechanical Enginee Design (part 1) Embodiment Design	-	Signals and Systems Signals and Systems VL		Advanced Mechanical Design Project Advanced Mechanical PBL4 Design Project	Modeling, Simulati Optimization (GES) Modeling, Simulation and Optimization)	Bachelor Thesis	

Specialisation Compulsory Focus Compulsory

Compulsory

Constructification Election Constitution Election

Thesis Compulsory

	Mechanics I	HÜ 3	Mechanics II HÜ 2	and 3D-CAD Mechanical Design PBL3	Signals and Systems UE 2	
24 25	-			Project I Fundamentals of		
25 26 27	-			Materials Science (part 1) Fundamentals of VL 2 Materials Science I		
- ,	5 5	VL 1 PR 1	undamentals of Acchanical Engineering GES) undamentals of VL 2	Physical and Chemical VL 2 Basics of Materials Science		
28 29 30	Physics for Engineers (GES) Physics for Engineers		Mechanical Engineering Fundamentals of UE 2 Mechanical Engineering	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical VL 2		
		systes for Engineers UE 1	Engineering	Engineering Design I Advanced Mechanical HÜ 2 Engineering Design I		
1 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.