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 Product Development and Production

	alisation Mechanical Engine					02303(,,,			cialisation Elective Focus Elective C	ompulsory Interdisciplinary
LP	Semester 1 F	or h hrs,	/wskemester 2 Fo	or itti rs/\	ស្រ្តemester 3	For h hrs/	wster 4	Formins		pulsory	s/wikemester 7 Forhirs/w
1 2 3 4 5	Chemistry (GES) Chemistry I V Chemistry II V Chemistry I H	/L 2 /L 2 +Ü 1 +Ü 1	Technical Thermodynamics IVLTechnicalVLThermodynamics IHITechnicalHIThermodynamics IHI	L 2 Ü 1 E 1	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2	Mechanical Enginee Design (part 2) Team Project Design Methodology Mechanical Design Project II Fundamentals of Materials Science (j Fundamentals of Materials Science II	PBL2 PBL3	Computer Engineering VL 3 Computer Engineering UE 1	Foundations of Management Introduction to VL 3 Management Management Tutorial UE 2	Advanced Internship AIW/ GES
6 7 8 9 10 11	Linear Algebra H	/L 4 1Ü 2 JE 2	Mathematical Analysis Mathematical Analysis VI Mathematical Analysis Hi Mathematical Analysis UI	L 4 Ü 2 E 2	Mathematics III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	UE 1	Advanced Mechanica Engineering Design II Advanced Mechanical Engineering Design II Advanced Mechanical Engineering Design II Production Engineer Engineering II Production Engineering II	VL 2 HÜ 2	Introduction to Control Systems Introduction to VL 2 Control Systems Introduction to UE 2 Control Systems	Integrated Product VL 2	
12 13 14 15 16 17 18	Electrical Engineering Electrical Engineering V I Electrical Engineering U I	/L 3	Electrical Engineering I Electrical Engineering VL II Electrical Engineering UE II	L 3	Mechanics III (GES) Mechanics III Mechanics III Mechanics III	HÜ 1 UE 2 VL 3	Fluid Dynamics Fluid Mechanics Fluid Mechanics Mechanics IV (Kinet Oscillations, Analyt Mechanics, Multibo Systems) Mechanics IV Mechanics IV Mechanics IV	ical	for Mechanical EngineersMeasurementVL2Technology for2Mechanical2Engineering4MeasurementHÜ1Technology for4Mechanical5Engineering4	Enhanced Fundamentals of Materials ScienceEnhancedVL 2Fundamentals: MetalsEnhancedVL 2Fundamentals: Ceramics and PolymersEnhancedHÜ 1Fundamentals: Ceramics and PolymersEnhancedHÜ 1Fundamentals: Ceramics and PolymersEnhancedHÜ 1Fundamentals: Ceramics and Polymers	
19 20									Advanced Mechanical Design Project	Fundamentals of Production and Quality	Bachelor Thesis

Specialisation Compulsory Focus Compulsory

Compulsory

Thesis Compulsory

21 22 23 24	Mechanics I (GES) Mechanics I VL 2 Mechanics I HÜ 3	Mechanics II (GES)Mechanics IIVL 2Mechanics IIHÜ 2	Mechanical Engineering: Design (part 1)Embodiment Design and 3D-CADVL 2 and 3D-CADMechanical Design Project IPBL3 Project I	Advanced Mechanical PBL4 Design Project	ManagementProduction ProcessVL2OrganizationQuality ManagementVL2	
25 26	-		Fundamentals of Materials Science (part 1) Fundamentals of VL 2	Production Technology		
27 28	Programming in C PR 1 Programming in C PR 1 Physics for Engineers (GES)	Fundamentals of Mechanical Engineering (GES) Fundamentals of VL 2 Mechanical	Materials Science I Physical and Chemical VL 2 Basics of Materials Science	Forming and Cutting VL 2 Technology Forming and Cutting HÜ 1 Technology Fundamentals of VL 2 Machine Tools		
29 30		Engineering Fundamentals of UE 2 Mechanical Engineering	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical VL 2 Engineering Design I Advanced Mechanical HÜ 2 Engineering Design I	Fundamentals of HÜ 1 Machine Tools		
31 32			Production Engineering (part 1)			
33	Nontechnical Complementary (Production VL 2 Engineering I Production HÜ 1 Engineering I			

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