Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w18)

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

Legend:				
Core qualification Compulsory Specialisation Compulsory		Focus Compulsory	Thesis Compulsory	
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement	

Computer Figure Computer Engineering U. 3 Management Tutorial HÚ 2 Computer Engineering U. 3 Computer Engineering U. 3 Management Tutorial HÚ 2 Computer Engineering U. 3 Computer Eng	LP Semester 1	Formers	/wSwemester2 Formidir	√w‰lemester3 FormHr	s/w6kemester4 F	or ıld ırs/	/wSkemester 5 Forkhir	s/wSwemester6 FormHrs	/w&kemester7 FormHrs/
Clinear Algebra VL 4 Mathematical Analysis VL 2 Analysis VL 3 Analysis V	Chemistry I Chemistry II Chemistry I Chemistry II Chemistry II	VL 2 HÜ 1	Technical VL 2 Thermodynamics I Technical HÜ 1 Thermodynamics I Technical UE 1	II Technical VL 2 Thermodynamics II Technical HÜ 1 Thermodynamics II Technical UE 1	Design (part 2) Team Project Design P Methodology Mechanical Design P Project II Fundamentals of Materia Science (part 2) Fundamentals of V	BL2 BL3	Computer Engineering VL 3	Introduction to VL 3 Management	Advanced Internship GES
Securical Engineering Complex Functions	Linear Algebra Linear Algebra Linear Algebra Linear Algebra Linear Algebra 10 11	HÜ 2	Mathematical Analysis VL 4 Mathematical Analysis HÜ 2	Analysis III VL 2 Analysis III UE 1 Analysis III HÜ 1 Differential Equations 1 VL 2 Differential Equations 1 UE 1	Engineering Design (par Advanced Mechanical V Engineering Design II Advanced Mechanical Engineering Design II Fluid Dynamics Fluid Mechanics V	L 2 Ü 2 L 3	Systems Introduction to Control VL 2 Systems Introduction to Control UE 2	Design Semiconductor Circuit VL 3 Design Semiconductor Circuit UE 1	
20 Electrical Engineering III: Circuit Theory and Transients Electrical Machines and Actuators Mechanics I (GES) Mechanics II (GES) Mechanics II (GES) Me	15 Electrical Engineering I 17 Electrical Engineering I	VL 3	Electrical Engineering II VL 3	Mechanics III HÜ 1 Mechanics III UE 2	Oscillations, Analytical Mechanics, Multibody Systems) Mechanics IV V Mechanics IV U	L 3 E 2	for Mechanical and Process Engineers Measurement VL 2 Technology for Mechanical and Process Engineers Measurement HÜ 1 Technology for Mechanical and Process Engineers Practical Course: PR 2 Measurement and	Complex Functions VL 2 Complex Functions UE 1 Complex Functions HÜ 1 Differential Equations 2 VL 2 Differential Equations 2 UE 1	
	20 21 Mechanics I (GES)		, ,	Design (part 1)			Circuit Theory and Transients Circuit Theory VL 3	Actuators Electrical Machines and VL 3 Actuators	Bachelor Thesis

24	Mechanics I H	Ü 3	Mechanics II HÜ 2	3D-CAD Mechanical Design PBL3 Project I Fundamentals of Materials	Signals and Systems U	IE 2		Actuators
25 26 27				Science (part 1) Fundamentals of VL 2			Simulation and Design of Mechatronic Systems	
27		L 1 R 1	Fundamentals of Mechanical Engineering (GES) Fundamentals of VL 2 Mechanical Engineering	Materials Science I Physical and Chemical VL 2 Basics of Materials Science			Simulation and Design VL 2 of Mechatronic Systems Simulation and Design HÜ 1 of Mechatronic Systems	
8 9 0	, ,	ES) L 2	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			Simulation and Design PR 1 of Mechatronic Systems	
31 32					_			

Nontechnical Complementary Courses for Bachelors (from catalogue) - 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.