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

Sample course plan C Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7)) Specialisation Mechanical Engineering, Focus Mechatronics

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ansacion Mechanical Engl	meering	, rocus Mechatronics						Core qualification Elective Compulsory	Specia		Focus Elective Co	ompulsory	Interdisciplinary complement
Semester 1	Forthers	Wemester 2	Formers	/&kmester 3	Formirs	/www.mester 4	For <b>ith</b> rs/	/wskemester 5 F	or <b>M</b> rs	/www.mester 6	ForMirs	s/ <b>&amp;k</b> mest	er 7
Chemistry Chemistry I Chemistry II	VL 2 VL 2	Electrical Engineer Alternating Current Networks and Basic Devices	t :	Technical Thermodynamics II Technical Thermodynamics II	VL 2	Mechanical Engineer Design (part 2) Team Project Design Methodology	_	Introduction to Control Systems Introduction to Control Systems		Foundations of Management Introduction to Management	f VL 3	Advan-	ced Internship
Chemistry I Chemistry II	НÜ 1 НÜ 1	Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic Devices	UE 2	Technical Thermodynamics II Technical Thermodynamics II	HÜ 1 UE 1	Project II  Fundamentals of Materials Science (position of programmentals)  Materials Science II	<b>art 2)</b> VL 2	Introduction to Control Systems	JE 2	Management Tu	itorial UE 2		
Electrical Engineerin Direct Current Netwo and Electromagnetic Fields  Electrical Engineering I: Direct Current Networks and Electromagnetic Fields  Electrical Engineering I: Direct Current Networks and Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	vorks c VL 3	Fundamentals of Mechanical Engine Design Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design	ering VL 2 HÜ 2	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	UE 1	Advanced Mechanical Engineering Design (2)  Advanced Mechanical Engineering Design II  Advanced Mechanical Engineering Design II  Fluid Dynamics  Fluid Mechanics  Fluid Mechanics	(part VL 2	Computer Engineering \ Computer Engineering \ Computer Engineering \	/L 3	Semiconductor (Design Semiconductor (Design Semiconductor (Design Design Semiconductor (Design Semiconductor (	Circuit VL 3		
Mathematics I Linear Algebra I Linear Algebra I Linear Algebra I Analysis I Analysis I Analysis I	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	VL 2 HÜ 1 UE 1	Mechanics III (Hydrostatics, Kinematics, Kinetics Mechanics III Mechanics III	VL 3 UE 2 HÜ 1		cs II, al	Technology for Mechanical Engineering Measurement Technology for Mechanical Engineering		Mathematics I Complex Function Complex Function Complex Function Differential Equal	ons VL 2 ons UE 1 ons HÜ 1 ations VL 2 ations UE 1		
								Control Systems					
Mechanics I (Statics		Mechanics II: Mech of Materials Mechanics II	anics VL 2	Mechanical Enginee	ring	Signals and Systems		Control Systems  Electrical Engineering Circuit Theory and Transients	) III:	Advanced Mate Advanced Mater Characterization	rials VL 2	Bachel	or Thesis

Core qualification

Compulsory

Specialisation Compulsory Focus Compulsory

Thesis Compulsory

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.