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

Sample	e course plan - Bachelor Genera	l Engineering Science (German	program, 7 semester) (AIWB	S(7))		Core Qualification Compulsory Spec		Inesis Compulsory Interdisciplinary complement	
	lisation Mechanical Engineering,		6.1		nHrs/wk Se	emester 5 FormHrs	wk Semester 6 FormHrs/wk	Semester 7 FormHrs/w	
1 2 3 4 5	Chemistry VL 2 Chemistry II VL 2 Chemistry II HÛ 1 Chemistry II HÛ 1	Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating VL 3 Current Networks and Basic Devices Electrical Engineering II: Alternating GÜ 2 Current Networks and Basic Devices	Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 Technical Thermodynamics II GÜ 1 Technical Thermodynamics II GÜ 1	Mechanical Engineering: Design (part 2) Team Project Design Methodology PBL Mechanical Design Project II PBL Fundamentals of Materials Science (part 2 Fundamentals of Materials Science II VL	. 2 Int . 3 Int	stroduction to Control Systems troduction to Control Systems VL 2 troduction to Control Systems GÜ 2	Foundations of Management Introduction to Management VL 3 Management Tutorial GÜ 2	Advanced Internship AIW/ ES Advanced Internship AIW/ ES: SE 1 Preparation Advanced Intenship AIW/ ES: Internship- SE 1 accompanying Seminar	
6				Advanced Mechanical Engineering Design (part 2)	,				
7 8 9	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields Electrical Engineering I: Direct Current VL 3 Networks and Electromagnetic Fields Electrical Engineering I: Direct Current GÜ 2 Networks and Electromagnetic Fields	Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering VL 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design	Mathematics III	Advanced Mechanical Engineering VL Design II Advanced Mechanical Engineering HÜ Design II	VL 2 Computer Engineering Computer Engineering Computer Engineering VL 3 HÜ 2	omputer Engineering VL 3	Enhanced Fundamentals of Materials Science Enhanced Fundamentals: Metals Enhanced Fundamentals: Ceramics and VL 2 Polymers Enhanced Fundamentals: Ceramics and HÜ 1 Polymers		
10 11 12									
13 14 15 16	Mathematics	Technical Thermodynamics I	Mechanics III (Hydrostatics, Kinematics, Kinetics I) Mechanics III VL 3 Mechanics III GÜ 2	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems) Mechanics IV VL Mechanics IV GÜ	Me English Me 3 English	leasurement Technology for Mechanical Ingineers easurement Technology for Mechanical VL 2 Ingineering easurement Technology for Mechanical HÜ 1 Ingineering ractical Course: Measurement and PR 2	Structural Materials (part 2) Fundamentals of Mechanical Properties of VL 2 Materials		
18 19 20	Analysis I HŰ 1	Mechanics II: Mechanics of Materials Mechanics II VL 2	Mechanics III HÜ 1	Mechanics IV HÜ	1 Co	ontrol Systems umerical Mathematics I umerical Mathematics I VL 2		Bachelor Thesis	
21 22 23 24	Mechanics I (Statics) Mechanics I VL 2 Mechanics I GÜ 2 Mechanics I HÜ 1	Mechanics II GÜ 2 Mechanics II HÜ 2	Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD VL 2 Mechanical Design Project I PBL 3 Fundamentals of Materials Science (part 1)	Signals and Systems Signals and Systems VL Signals and Systems GÜ	3	GÜ 2			
25 26	Programming in C VL 1 Programming in C PR 1	Mathematics I	Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials VL 2 Science			Structural Materials (part 1) Welding Technology VL 3			
27 28			Advanced Mechanical Engineering Design (part 1)			aterial Science Laboratory ompanion Lecture for Materials Science VL 2			
30	Physics for Engineers (AIW) VL 2 Physics for Engineers VL 2 Physics for Engineers GÜ 1	Analysis II GÜ 1	Advanced Mechanical Engineering VL 2 Design I Advanced Mechanical Engineering HÜ 2 Design I			oboratory PR 4			
31 32 33									
55	Nontechnical Complementary Courses t	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.