Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w22)

course plan A Bachelor Gener	al Engineering Science (Germa	n program, 7 semester) (AIWB:	S(7)) Dual		isation Compulsory Focus Compulsory	Thesis Compulsory
rogram				Core Qualification Elective Compulsory Special	isation Elective Compulsory Focus Elective Compuls	ory Interdisciplinary complement
isation Mechanical Engineering	, Focus Product Development a	nd Production				
Chemistry VL 4 Chemistry I+II HÜ 2	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	Signals and Systems Signals and Systems VL 3 Signals and Systems GÜ 2	Introduction to Control Systems Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2	Foundations of Management Introduction to Management VL 3 Management Tutorial GÜ 2	Advanced Internship AIW/ ES
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	Pundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering VL 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design	Analysis III	Practical module 4 (dual study program, Bachelor's degree) Practical term 4 0	Practical module 3 (dual study program, Bachelor's degree) Practical term 5 0	Design Development and Ligntweight Design Digital Product Development VL 2 Development of Lightweight Design VL 2 Products CAE-Team Project PBL 2	
Mathematics I VL 4 Mathematics I HÜ 2 Mathematics I GÜ 2	Technical Thermodynamics I	Practical module 3 (dual study program, Bachelor's degree) Practical term 3 0	Fluid Dynamics Fluid Mechanics VL 3 Fluid Mechanics HÜ 2	Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical VL 2 Engineering Measurement Technology for Mechanical PR 2 Engineering Practical Course: Measurement and PR 2 Control Systems	Production Engineering VL 2 Production Engineering I VL 2 Production Engineering II VL 2 Production Engineering II HÜ 1 Production Engineering I HÜ 1	
Computer Science for Engineers - Introduction and Overview Computer Science for Engineers - VL 3 Introduction and Overview Computer Science for Engineers - GÜ 2	Mathematics II VL 4 Mathematics II HÜ 2 Mathematics II GÜ 2	Engineering Mechanics III (Dynamics) Engineering Mechanics III VL 3 Engineering Mechanics III GÜ 2 Engineering Mechanics III HÜ 1	Computational Mechanics Computational Multibody Dynamics Computational Mechanics GÜ 2 Computational Stuctural Mechanics IV 2	Advanced Mechanical Design Project Advanced Mechanical Design Project PBL 4	Fundamentals of Production and Quality Management Production Process Organization VL 2 Quality Management VL 2	Bachelor thesis (dual study program)
Practical module 1 (dual study program, Bachelor's degree) Practical term 1 0	Practical module 2 (dual study program, Bachelor's degree) Practical term 2 0	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical Engineering VL 2	Advanced Mechanical Engineering Design (part 2) Advanced Mechanical Engineering VL 2 Design II Advanced Mechanical Engineering HÜ 2 Design II	Production Technology VL 2 Forming and Cutting Technology HÜ 1 Forming and Cutting Technology HÜ 1 Fundamentals of Machine Tools VL 2 Fundamentals of Machine Tools HÜ 1	Computer Science for Engineers - Programming Concepts, Data Handling & Communication Computer Science for Engineers - VL 3 Programming Concepts, Data Handling & Communication	
		Design I Advanced Mechanical Engineering HÜ 2 Design I Mechanical Engineering: Design (part 1)	Mechanical Engineering: Design (part 2) Team Project Design Methodology PBL 2 Mechanical Design Project II PBL 3		Computer Science for Engineers - GÜ 2 Programming Concepts, Data Handling & Communication	
		Introduction and Practical Training Mechanical Design Project I PBL 3				
Engineering Mechanics I (Stereostatics) VL 2 Engineering Mechanics I GÜ 2 Engineering Mechanics I HÜ 1 Engineering Mechanics I HÜ 1	Engineering Mechanics II (Elastostatics) Engineering Mechanics II VL 2 Engineering Mechanics II GÜ 2 Engineering Mechanics II HÜ 2	Fundamentals of Materials Science Fundamentals of Materials Science II VL 2 Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials VL 2 Science				
	Chemistry Chemistry V.L. 4 4 4 6 6 6 6 6 6 6	Chemistry Hill VIL 4 Networks and Basic Devices Electrical Engineering I: Direct Current Networks and Electromagnetic Fields Electrical Engineering I: Direct Current VIL 3 Current Networks and Basic Devices Electrical Engineering I: Alternating VIL 3 Current Networks and Basic Devices Electrical Engineering II: Alternating VIL 3 Current Networks and Basic Devices Electrical Engineering II: Alternating VIL 3 Current Networks and Basic Devices Electrical Engineering II: Direct Current VIL 3 VIL VIL	Sation Mechanical Engineering Focus Product Development and Production	Committy	Company Comp	Section Part Part

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