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

mple	course plan A Bachelor Gener	al Engineering Science (Germa	n program, 7 semester) (AIW	BS(7)) Dual		alisation Compulsory Focus Compulsory	Thesis Compulsory
, ,	rogram				Core Qualification Elective Compulsory Specia	alisation Elective Compulsory Focus Elective Compuls	Interdisciplinary complement
cial	isation Green Technologies, Foo	us Renewable Energy					
	Chemistry VL 4 Chemistry I+II 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 Technical Thermodynamics II VL Technical Thermodynamics II HÜ Technical Thermodynamics II GÜ	1 Signals and Systems GÜ 2	The state of the s	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	Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering VL 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design	Mathematics III VL Analysis III GÜ Analysis III HÜ Differential Equations 1 VL Differential Equations 1 GÜ Differential Equations 1 HÜ	Practical term 4 (Practical module 5 (dual study program, Bachelor's degree) Practical term 5 0	Green Technologies II (part 2) Practical Exercise Environmental PR 1 Technology Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics VL 2 Phase Equilibria Thermodynamics GÜ 1 Phase Equilibria Thermodynamics HÜ 1	
	Mathematics I VL 4 Mathematics I HÜ 2 Mathematics I GÜ 2	Technical Thermodynamics I Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1	Practical module 3 (dual study program, Bachelor's degree) Practical term 3	Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics VL Fluid Mechanics for Process Engineering HÜ Fundamentals on Fluid Mechanics GÜ 7	Heat and Mass Transfer GÜ 2	Climate change impact & mitigation Technical measures to mitigate yL 2 greenhouse gas emissions Technical measures to mitigate G0 2 greenhouse gas emissions Basics of climate change and its effects VL 2	
	Computer Science for Engineers -	Mathematics II VL 4 Mathematics II HÜ 2 Mathematics II GÜ 2	Engineering Mechanics III (Dynamics)	Sanitary Engineering I Wastewater Disposal VL Wastewater Disposal HÜ Drinking Water Supply VL	Green Technologies II (part 1) Environmental Technologie VL 2 Pollutant analysis VL 2		Bachelor thesis (dual study program)
	Introduction and Overview Computer Science for Engineers - VL 3 Introduction and Overview Computer Science for Engineers - GÛ 2 Introduction and Overview		Engineering Mechanics III VL Engineering Mechanics III GÜ Engineering Mechanics III HÜ	2	Thermal Separation Processes		
	Practical module 1 (dual study program,	Practical module 2 (dual study program,	Measurement Technology for Chemical and	Conventional Energy Systems and Energy Industry Power Industry VL 1 Energy markets and energy trading VL 2	Thermal Separation Processes		
	Bachelor's degree) Practical term 1 0	Bachelor's degree) Practical term 2 0	Bioprocess Engineering Measurement Technology VL Physical Fundamentals of Measurement VL	Fossil Energy Systems VL 2 Fuels I VL 1			
			Technology Practical Course Measurement PR Technology	Renewable Energies I VL 2	Electrical Power Systems I: Introduction to Electrical Power Systems Electrical Power Systems I: Introduction VL 3 to Electrical Power Systems		
	Engineering Mechanics I (Stereostatics) Engineering Mechanics I VL 2 Engineering Mechanics I GÜ 2 Engineering Mechanics I HÜ 1	Engineering Mechanics II (Elastostatics) Engineering Mechanics II VL 2 Engineering Mechanics II GÖ 2 Engineering Mechanics II HÜ 2	Green Technologies I Meteorology and Climate Systems - VL Introduction Introduction Green Technologies SE Meteorology and Climate Systems - GÜ Introduction	Renewable Energies I HÜ 1 2 Fuels II VL 1 2 VL 1	Electrical Power Systems I: Introduction GÜ 2 to Electrical Power Systems		
3	Linking theory and practice (dual study						

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