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

course plan B Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7)) Dual			Core Qualification Compulsory Specialisation Compulsory Focus Compulsory Thesis Compulsory Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement			
ly program cialisation Mechanical Engineering	Focus Energy Systems				Todas Elective Compulsor	., measuscipinary complement
	J					
Chemistry Chemistry I+II VL 4	Electrical Engineering II: Alternating Current Networks and Basic Devices	Technical Thermodynamics II Technical Thermodynamics II VL 2	Signals and Systems Signals and Systems VL 3	Introduction to Control Systems Introduction to Control Systems VL 2	Foundations of Management Introduction to Management VL 3	Advanced Internship AIW/ ES
Chemistry I+II VL 4 Chemistry I+II HÜ 2	Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1	Signals and Systems VL 3 Signals and Systems GÜ 2	Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2	Management Tutorial GÜ 2	
Chemistry IIII 110 2	Current Networks and Basic Devices	Technical Thermodynamics II GÜ 1	Signals and Systems GO 2	included on to control systems do 2	Management rational GO 2	
	Electrical Engineering II: Alternating GÜ 2					
	Current Networks and Basic Devices					
Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Practical module 4 (dual study program,	Practical module 5 (dual study program,	Electrical Machines and Actuators	
Networks and Electromagnetic Fields	Design	Analysis III VL 2	Bachelor's degree)	Bachelor's degree)	Electrical Machines and Actuators VL 3	
Electrical Engineering I: Direct Current VL 3 Networks and Electromagnetic Fields	Fundamentals of Mechanical Engineering VL 2 Design	Analysis III GÜ 1 Analysis III HÜ 1	Practical term 4 0	Practical term 5 0	Electrical Machines and Actuators HÜ 2	
Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering HÜ 2	Analysis III HÜ 1 Differential Equations 1 VL 2				
Networks and Electromagnetic Fields	Design	Differential Equations 1 GÜ 1				
		Differential Equations 1 HÜ 1				
Mathematics I	Technical Thermodynamics I		Fluid Dynamics	Measurement Technology for Mechanical	Computer Science for Engineers -	
Mathematics I VL 4	Technical Thermodynamics I VL 2		Fluid Mechanics VL 3	Engineers	Programming Concepts, Data Handling &	
Mathematics I HÜ 2	Technical Thermodynamics I HÜ 1	Practical module 3 (dual study program,	Fluid Mechanics HÜ 2	Measurement Technology for Mechanical VL 2 Engineering	Communication Computer Science for Engineers - VL 3	
Mathematics I GÜ 2	Technical Thermodynamics I GŪ 1	Bachelor's degree)		Measurement Technology for Mechanical PR 2	Programming Concepts, Data Handling &	
		Practical term 3 0		Engineering	Communication	
				Practical Course: Measurement and PR 2	Computer Science for Engineers - GŪ 2	
				Control Systems	Programming Concepts, Data Handling & Communication	
	Mathematics II		Computational Mechanics	Heat Transfer	Reciprocating Machinery (part 2)	Bachelor thesis (dual study program)
	Mathematics II VL 4		Computational Multibody Dynamics IV 2	Heat Transfer VL 3	Internal Combustion Engines I VL 2	Bachelor thesis (dual study program)
	Mathematics II HÜ 2		Computational Mechanics GŪ 2	Heat Transfer HÜ 2	Internal Combustion Engines I HÜ 1	
Computer Science for Engineers -	Mathematics II GÜ 2	Engineering Mechanics III (Dynamics)	Computational Stuctural Mechanics IV 2			
Introduction and Overview Computer Science for Engineers - VL 3		Engineering Mechanics III VL 3				
Introduction and Overview		Engineering Mechanics III GÜ 2 Engineering Mechanics III HÜ 1				
Computer Science for Engineers - GÜ 2		Engineering recordings in Tro-1				
Introduction and Overview						
			Advanced Mechanical Engineering Design (part 2)	Reciprocating Machinery (part 1) Fundamentals of Reciprocating Engines VL 1		
			Advanced Mechanical Engineering VL 2	and Turbomachinery - Part Reciprocating		
			Design II	Engines		
			Advanced Mechanical Engineering HÜ 2	Fundamentals of Reciprocating Engines HÜ 1		
			Design II	and Turbomachinery - Part Reciprocating Engines		
Practical module 1 (dual study program,	Practical module 2 (dual study program,	Advanced Mechanical Engineering Design		Gas and Steam Power Plants		
Bachelor's degree)	Practical module 2 (dual study program, Bachelor's degree)	(part 1)		Gas and Steam Power Plants Gas and Steam Power Plants VL 3		
Practical term 1 0	Practical term 2 0	Advanced Mechanical Engineering VL 2	Mechanical Engineering: Design (part 2) Team Project Design Methodology PBL 2	Gas and Steam Power Plants HÜ 1		
		Design I	Mechanical Design Project II PBL 3			
		Advanced Mechanical Engineering HÜ 2 Design I	The same of the sa			
		Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD VL 2				
		Introduction and Practical Training				
		Mechanical Design Project I PBL 3				
Engineering Mechanics I (Stereostatics)	Engineering Mechanics II (Elastostatics)	Fundamentals of Materials Science		Numerical Mathematics I		
Engineering Mechanics I VL 2	Engineering Mechanics II VL 2	Fundamentals of Materials Science II VL 2		Numerical Mathematics I VL 2		
Engineering Mechanics I GÜ 2	Engineering Mechanics II GÜ 2	Fundamentals of Materials Science I VL 2		Numerical Mathematics I GÜ 2		
Engineering Mechanics I HÜ 1	Engineering Mechanics II HÜ 2	Physical and Chemical Basics of Materials VL 2				
		Science				

Linking theory and practice (dual study program, Bachelor's degree) (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.