Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w20)

Chemistry I+II  Chemistry I+II	VL 4 H0 2  rent ds VL 3 G0 2  VL 2 G0 1 H0 1 VL 2			FormHrs/wk.  VL 2 H0 1 G0 1  VL 2 G0 1 H0 1 VL 2 G0 1 H0 1  VL 3 G0 2		VL 3 GÜ 2 VL 3 HÜ 2	Core Qualification Elective Compulsory Special  Semester 5 FormHrs/wi  Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2  Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical VL 2 Engineering Measurement Technology for Mechanical HÜ 1 Engineering Practical Course: Measurement and PR 2 Control Systems  Advanced Mechanical Design Project Advanced Mechanical Design Project PBL 4	Semester 6   FormHrs/w	
Special isation 1 Mechanical Engine  Chemistry Chemistry   +	VL 4 H0 2  rent ds VL 3 G0 2  VL 2 G0 1 H0 1 VL 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 VL 3 Current Networks and Basic Devices Electrical Engineering II: Alternating GÜ 2 Current Networks and Basic Devices  Fundamentals of Mechanical Engineering VL 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design  Technical Thermodynamics I VL 2 Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1	Technical Thermodynamics II  Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1 Differential Equations 1 Mechanics III (Dynamics) Mechanics III (Dynamics)	FormHrs/wk.  VL 2 H0 1 G0 1  VL 2 G0 1 H0 1 VL 2 G0 1 H0 1  VL 3 G0 2	Semester 4  Signals and Systems Signals and Systems Signals and Systems Signals and Systems  Fluid Dynamics Fluid Mechanics Fluid Mechanics  Mechanics IV (Oscillations, Analytica Mechanics, Multibody Systems, Num Mechanics) Mechanics IV Mechanics IV	VL 3 GÜ 2  VL 3 HÜ 2  al merical  VL 3 GÜ 2	Introduction to Control Systems Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2  Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical Engineering Measurement Technology for Mechanical HÜ 1 Engineering Practical Course: Measurement and PR 2 Control Systems  Advanced Mechanical Design Project	Foundations of Management   Introduction to Management   VL 3   Management Tutorial   GÜ 2	Advanced Internship AIW/ ES:  Advanced Internship AIW/ ES:  Preparation  Advanced Intenship AIW/ ES: Internship-  SE 1
Chemistry I+II Chemis	HÜ 2  rent ds  VL 3  GÜ 2  VL 2  GÜ 1  VL 2	Networks and Basic Devices	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II  Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1  Mechanics III (Dynamics) Mechanics III	VL 2 H0 1 G0 1  VL 2 G0 1 H0 1 VL 2 G0 1 H0 1 VL 3 G0 2	Signals and Systems Signals and Systems Signals and Systems Signals and Systems Fluid Dynamics Fluid Mechanics Fluid Mechanics Mechanics IV (Oscillations, Analytica Mechanics, Multibody Systems, Num Mechanics) Mechanics IV	VL 3 GÜ 2  VL 3 HÜ 2  al merical  VL 3 GÜ 2	Introduction to Control Systems Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2  Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical Engineering Measurement Technology for Mechanical HÜ 1 Engineering Practical Course: Measurement and PR 2 Control Systems  Advanced Mechanical Design Project	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
Chemistry I+II Chemis	HÜ 2  rent ds  VL 3  GÜ 2  VL 2  GÜ 1  VL 2	Networks and Basic Devices	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II  Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1  Mechanics III (Dynamics) Mechanics III	HÜ 1 GÜ 1  VL 2 GÜ 1 HÜ 1 VL 2 GÜ 1 HÜ 1 VL 3 GÜ 2	Signals and Systems Signals and Systems Signals and Systems Fluid Dynamics Fluid Mechanics Fluid Mechanics Mechanics IV (Oscillations, Analytica Mechanics, Multibody Systems, Num Mechanics) Mechanics IV Mechanics IV	VL 3 HÜ 2 al merical VL 3 GÜ 2	Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2  Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical VL 2 Engineering Measurement Technology for Mechanical HÜ 1 Engineering Practical Course: Measurement and PR 2 Control Systems  Advanced Mechanical Design Project	Introduction to Management VL 3 Management Tutorial GÜ 2  Integrated Product Development and Lightweight Design Integrated Product Development I VL 2 Development of Lightweight Design VL 2 Products CAE-Team Project PBL 2  Fundamentals of Production and Quality Management Production Process Organization VL 2	Advanced Internship AIW/ ES: SE 1 Preparation Advanced Intenship AIW/ ES: Internship- SE 1
Chemistry I+II  Chemistry I-II  Chemistry I-II	HÜ 2  rent ds  VL 3  GÜ 2  VL 2  GÜ 1  VL 2	Electrical Engineering II: Alternating VL 3 Current Networks and Basic Devices Electrical Engineering II: Alternating GÜ 2 Current Networks and Basic Devices  Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering VL 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II  Mathematics III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1  Differential Equations 1	HÜ 1 GÜ 1  VL 2 GÜ 1 HÜ 1 VL 2 GÜ 1 HÜ 1 VL 3 GÜ 2	Fluid Dynamics Fluid Mechanics Fluid Mechanics Fluid Mechanics  Mechanics IV (Oscillations, Analytica Mechanics, Multibody Systems, Num Mechanics IV Mechanics IV	VL 3 HÜ 2 al merical VL 3 GÜ 2	Introduction to Control Systems GÜ 2  Measurement Technology for Mechanical Engineers  Measurement Technology for Mechanical VL 2 Engineering  Measurement Technology for Mechanical HÜ 1 Engineering Practical Course: Measurement and PR 2 Control Systems  Advanced Mechanical Design Project	Integrated Product Development and Lightweight Design Integrated Product Development I VL 2 Development of Lightweight Design VL 2 Products CAE-Team Project PBL 2  Fundamentals of Production and Quality Management Production Process Organization VL 2	Preparation Advanced Intenship AIW/ ES: Internship- SE 1
3 4 5 6 7 Electrical Engineering I: Direct Current Networks and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields 10 Electrical Engineering I: Direct Current Networks and Electromagnetic Fields 11 Electrical Engineering I: Direct Current Networks and Electromagnetic Fields 12 Linear Algebra I Linear Analysis I Analysis I Analysis I Analysis I Mechanics I	rent ds VL 3 GO 2 VL 2 GO 1 HO 1 VL 2 VL 2	Current Networks and Basic Devices Electrical Engineering II: Alternating GÜ 2 Current Networks and Basic Devices  Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering VL 2 Design Fundamentals of Mechanical Engineering HÜ 2 Design  Technical Thermodynamics I VL 2 Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1	VL 2 GO 1 HU 1 SGU 2 GO 2 GO 3 GO 1 GO 1 GO 1 GO 2 GO 2 GO 2 GO 2 GO 2	Fluid Dynamics Fluid Mechanics Fluid Mechanics  Mechanics IV (Oscillations, Analytica Mechanics, Multibody Systems, Num Mechanics) Mechanics IV Mechanics IV	VL 3 HÜ 2  al merical  VL 3 GÜ 2	Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical VL 2 Engineering Measurement Technology for Mechanical HÜ 1 Engineering Practical Course: Measurement and PR 2 Control Systems  Advanced Mechanical Design Project	Integrated Product Development and Lightweight Design Integrated Product Development I VL 2 Development of Lightweight Design VL 2 Products CAE-Team Project PBL 2  Fundamentals of Production and Quality Management Production Process Organization VL 2	Advanced Intenship AIW/ ES: Internship- SE 1
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20									
20		Mechanics II: Mechanics of Materials			Advanced Mechanical Engineering De	Design	Production Engineering (part 1)	Production Engineering (part 2)	Bachelor Thesis
Mechanics   (Statics)   Mechanics		Mechanics II VL 2			(part 2)	_	Production Engineering I VL 2	Production Engineering II VL 2	
Mechanics I Mechanics I  22 Mechanics I  23		Mechanics II GÜ 2			Advanced Mechanical Engineering	VL 2	Production Engineering I HÜ 1	Production Engineering II HÜ 1	
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22 Mechanics I 23	VL 2		(part 1)		Advanced Mechanical Engineering	HÜ 2			
23	GŪ 2		Advanced Mechanical Engineering	VL 2	Design II				
	HÜ 1		Design I		Mechanical Engineering: Design (par	rt 2)	Production Technology		
			Advanced Mechanical Engineering  Design I	HÜ 2	Team Project Design Methodology	PBL 2	Forming and Cutting Technology VL 2		
74					Mechanical Design Project II	PBL 3	Forming and Cutting Technology HÜ 1		
			Mechanical Engineering: Design (				Fundamentals of Machine Tools VL 2		
25		Mathematics II	Embodiment Design and 3D-CAD	VL 2	Fundamentals of Materials Science (	(part 2)	Fundamentals of Machine Tools HÜ 1		
26		Linear Algebra II VL 2	Mechanical Design Project I	PBL 3	Fundamentals of Materials Science II	VL 2			
		Linear Algebra II GÜ 1							
27 Programming in C	NO. 5	Linear Algebra II HÜ 1	Fundamentals of Materials Science						
20	VL 1	Analysis II VL 2	Fundamentals of Materials Science I				Computer Engineering		
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29 Physics for Engineers (AIW)		Analysis II GŪ 1					Computer Engineering GÜ 1		
30	VL 2								
Physics for Engineers									
	GÜ 1								
32	GÜ 1								
33	GÜ 1								
Non-technical Courses for Bach	GÜ 1								

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