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

rical Engineering II: Alternating VL 3 rical Engineering II: Alternating VL 3 rical Engineering II: Alternating GÜ 2 rical Engineering VL 2 rical Engineering VL 2 rical Engineering VL 2 rical Engineering HÜ 2 rical Engineering HÜ 2 rical Engineering HÜ 2 rical Engineering HÜ 1 rical Thermodynamics I VL 2 rical Thermodynamics I HÜ 1 rical Thermodynamics I GÜ 1 rical Thermodynamics I GÜ 1 rical Thermodynamics I HÜ 1	Technical Thermodynamics      Technical Thermodynamics    VL   2     Technical Thermodynamics    HÜ   1     Technical Thermodynamics    GÜ   1     Technical Thermodynamics    VL   2     Mathematics    VL   2     Analysis    VL   2     Analysis    HÜ   1     Differential Equations   HÜ   1     Practical module 3 (dual study program, Bachelor's degree)   Practical term 3   0	Signals and Systems Signals and Systems VL 3 Signals and Systems GÜ 2  Practical module 4 (dual study program, Bachelor's degree) Practical term 4 0  Fluid Dynamics Fluid Mechanics VL 3 Fluid Mechanics HÜ 2  Computational Mechanics Computational Multibody Dynamics Computational Multibody Dynamics GÜ 2	Introduction to Control Systems  VL 2 Introduction to Control Systems  GÜ 2  Practical module 5 (dual study program, Bachelor's degree) Practical term 5  O  Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical PR 2 Engineering Measurement Technology for Mechanical PR 2 Engineering Practical Course: Measurement and PR 2 Control Systems  Numerical Mathematics I	Foundations of Management Introduction to Management Introduction to Management  Advanced Materials for Sustainability Advanced Materials Characterization Advanced Materials for Sustainability VL 2  Advanced Materials for Sustainability VL 2  BUIL Introduction to Physiology Introduction to Physiology Introduction to Physiology VL 2  BIO I: Experimental Methods in Biomechanics Experimental Methods in Biomechanics Experimental Methods in Biomechanics Computer Science for Engineers - Programming Concepts, Data Handling &	Advanced Internship AIW/ ES
trical Engineering II: Alternating Current vorks and Basic Devices rical Engineering II: Alternating VL 3 enth Networks and Basic Devices rical Engineering II: Alternating GÜ 2 enth Networks and Basic Devices  Idamentals of Mechanical Engineering gn amentals of Mechanical Engineering VL 2 gn amentals of Mechanical Engineering HÜ 2 gn amentals of Mechanical Engineering HÜ 1 engineering VL 2 gn  Inical Thermodynamics I VL 2 gn Inical Thermodynamics I HÜ 1 enical Thermodynamics I GÜ 1 encematics II GÜ 1 enematics II VL 4 ematics II VL 4	Technical Thermodynamics	Signals and Systems VL 3 Signals and Systems GÜ 2  Practical module 4 (dual study program, Bachelor's degree) Practical term 4 0  Fluid Dynamics Fluid Mechanics VL 3 Fluid Mechanics HÜ 2  Computational Mechanics Computational Multibody Dynamics IV 2	Introduction to Control Systems VL 2 Introduction to Control Systems GÜ 2  Practical module 5 (dual study program, Bachelor's degree) Practical term 5 0  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  Numerical Mathematics I	Introduction to Management VL 3 Management Tutorial GÜ 2  Advanced Materials for Sustainability Advanced Materials for Sustainability Advanced Materials for Sustainability VL 2 Advanced Materials for Sustainability VL 2 Advanced Materials for Sustainability VL 2  MED II: Introduction to Physiology Introduction to Physiology VL 2  BIO I: Experimental Methods in Biomechanics Experimental Methods in Biomechanics VL 2  Computer Science for Engineers -	
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nematics II ematics II VL 4 ematics II HÜ 2		Computational Multibody Dynamics IV 2	Engineering Practical Course: Measurement and PR 2 Control Systems  Numerical Mathematics I	Experimental Methods in Blomechanics VL 2  Computer Science for Engineers -	
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			Numerical Mathematics I GÜ 2	Communication	
	Engineering Mechanics III (Dynamics)  Engineering Mechanics III VL 3  Engineering Mechanics III GÜ 2  Engineering Mechanics III HÜ 1  Advanced Mechanical Engineering Design (part 1)  Advanced Mechanical Engineering VL 2  Design I  Advanced Mechanical Engineering HÜ 2  Design I  Design I	Computational Stuctural Mechanics IV 2	Numerical Mathematics 1 GU 2	Computer Science for Engineers - VL 3 Programming Concepts, Data Handling & Communication Computer Science for Engineers - GÜ 2 Programming Concepts, Data Handling & Communication	GÜ 2
		MED I: Introduction to Anatomy Introduction to Anatomy  VL 2	MED II: Introduction to Biochemistry and Molecular Biology Introduction to Biochemistry and VL 2		
		MED I: Introduction to Radiology and Radiation Therapy Introduction to Radiology and Radiation VL 2 Therapy	Molecular Biology  BIO I: Implants and Fracture Healing  Implants and Fracture Healing VL 2		
	Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD VL 2 Introduction and Practical Training	Advanced Mechanical Engineering Design			
	Mechanical Design Project I PBL 3	(part 2) Advanced Mechanical Engineering VL 2			
neering Mechanics II VL 2 neering Mechanics II GŪ 2 neering Mechanics II HŪ 2	Fundamentals of Materials Science I VL 2 Fundamentals of Materials Science II VL 2 Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials VL 2 Science	Design II Advanced Mechanical Engineering HÜ 2 Design II  Mechanical Engineering: Design (part 2) Team Project Design Methodology PBL 2 Mechanical Design Project II PBL 3			
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The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.