Course of Study Mechanical Engineering (Study Cohort w18)

						- •	Core Qualification Compuls		Focus Compuls		Thesis Compulsory	
	e course plan C Bachelor Mechanical						Core Qualification Elective	Compulsory Specialisation Elective Compulsory	Focus Elective	Compulsory	Interdisciplinary comple	ament
pecial	isation_Product Development_and_Ar	oduction	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/	vk Semester 5	Form Hrs/wk	Semester 6		Form Hrs/
1	Production Engineering (part 1) Production Engineering I VL 2	Production Engineering (part 2) Production Engineering II	VL 2	Advanced Mechanical Engineering Design Advanced Mechanical Engineering Design I	(part 1) VL 2	Advanced Mechanical Engine Advanced Mechanical Engineeri		Advanced Mechanical Design Project Advanced Mechanical Design Project	PBL 4	Foundations of Man		VL 3
3	Production Engineering I HŨ 1	Production Engineering II	HÜ 1	Advanced Mechanical Engineering Design I	HÜ 2	Advanced Mechanical Engineer	ing Design II HŪ 2			Management Tutorial		GŪ 2
4 5	Computer Science for Mechanical Engineers Computer Science for Mechanical Engineers VL 3	Fundamentals of Materials Science (part 2) Fundamentals of Materials Science II	VL 2	Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD	VL 2	Mechanical Engineering: De Team Project Design Methodolo						
6	Computer Science for Mechanical Engineers GÜ 2	Fundamentals of Mechanical Engineering De	alan	Mechanical Design Project I	PBL 3	Mechanical Design Project II	PBL 3					
7		Fundamentals of Mechanical Engineering Design	VL 2	Basics of Electrical Engineering		Fluid Dynamics		Introduction to Control Systems			Development and Ligh	htweight
3		Fundamentals of Mechanical Engineering Design	HU 2	Basics of Electrical Engineering Basics of Electrical Engineering	VL 3 GŪ 2	Fluid Mechanics Fluid Mechanics	VL 3 HŪ 2	Introduction to Control Systems Introduction to Control Systems	VL 2 GÜ 2	Design Integrated Product De	evelopment l	VL 2
9				basics of electrical engineering	GU 2	Fluid Mechanics	HU 2	Introduction to Control Systems	GU 2	Development of Light	weight Design Products	VL 2 PBL 2
10 11	Mathematics I Linear Algebra I VL 2									CAE-Team Project		PBL 2
12	Linear Algebra I GÜ 1 Linear Algebra I HÜ 1	Technical Thermodynamics I										
13	Analysis I VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II		Mechanics IV (Kinetics II, Os	cillations, Analytical	Measurement Technology for Mechanica	l Engineers	Bachelor Thesis		
L4	Analysis I GÜ 1 Analysis I HÜ 1	Technical Thermodynamics I Technical Thermodynamics I	HÜ 1 GÜ 1	Technical Thermodynamics II	VL 2 HÜ 1	Mechanics, Multibody Syste Mechanics IV	ms) VL 3	Measurement Technology for Mechanical Engineering	VL 2			
15	101			Technical Thermodynamics II Technical Thermodynamics II	HU I GÜ 1	Mechanics IV	GÜ 2	Measurement Technology for Mechanical	HÜ 1			
16						Mechanics IV	HŪ 1	Engineering Practical Course: Measurement and Control	PR 2			
17								Systems				
18	Mechanics I (Statics) Mechanics I VL 2	Mechanics II: Mechanics of Materials Mechanics II	VL 2									
19	Mechanics I GÜ 2	Mechanics II	GÜ 2	Mathematics III Analysis III	VL 2	Advanced Materials Advanced Materials Characteriz	ation VL 2	Production Technology Forming and Cutting Technology	VL 2			
20 21	Mechanics I HÜ 1	Mechanics II	HÜ 2	Analysis III	GŪ 1	Advanced Materials Design	VL 2	Forming and Cutting Technology	HÜ 1			
22				Analysis III Differential Equations 1	HÜ 1 VL 2	Advanced Materials Design	HŪ 2	Fundamentals of Machine Tools Fundamentals of Machine Tools	VL 2 HÜ 1			
23				Differential Equations 1	GŪ 1							
24	Fundamentals of Materials Science (part 1)	Mathematics II		Differential Equations 1	HÜ 1							
25	Fundamentals of Materials Science I VL 2	Linear Algebra II	VL 2					Material Science Laboratory				
26	Physical and Chemical Basics of Materials Science VL 2	Linear Algebra II Linear Algebra II	GÜ 1 HÜ 1					Companion Lecture for Materials Science Laboratory	VL 2			
27		Analysis II	VL 2	Mechanics III (Hydrostatics, Kinematics, K	inetics I)			Material Science Laboratory	PR 4			
28	Team Project MB	Analysis II Analysis II	HÜ 1 GÜ 1	Mechanics III Mechanics III	VL 3 GŪ 2							
29	Team Project MB PBL 6			Mechanics III	HÜ 1							
30												
31												
32												
33												
	Nontechnical Complementary Courses for Bac	cheiors (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.