Course of Study Mechanical Engineering (Study Cohort w18)

				-		- •	Core Qualification Com		Specialisation Compulsory	Focus Compuls		Thesis Compulsory	
	e course plan B Bachelor Mechanical						Core Qualification Elect	tive Com	npulsory Specialisation Elective Compulsory	Focus Elective	Compulsory	Interdisciplinary comple	ament
pecia	lisation_Product Development _F and_Rr	oduction	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form	Hrs/wk	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 Engin Advanced Mechanical Engineer			Advanced Mechanical Design Project Advanced Mechanical Design Project	PBL 4	Foundations of Man		VL 3
2	Production Engineering I HŪ 1	Production Engineering II	HÜ 1	Advanced Mechanical Engineering Design I	HÜ 2	Advanced Mechanical Engineer			Advanced Mechanical Design Project	FDL 4	Management Tutorial		GŪ 2
3	Hoddcdon Eigineening i Ho I	Troductor Engineering in	110 1	Advanced Mechanical Engineering Design 1	110 2	Auvanced Mechanical Engineer	ing besign in The	2			Management rutona		00 2
1	Computer Science for Mechanical Engineers	Fundamentals of Materials Science (part 2)		Mechanical Engineering: Design (part 1)		Mechanical Engineering: De							
5	Computer Science for Mechanical Engineers VL 3	Fundamentals of Materials Science II	VL 2	Embodiment Design and 3D-CAD	VL 2	Team Project Design Methodolo							
5	Computer Science for Mechanical Engineers GÜ 2	Fundamentals of Mechanical Engineering De	esign	Mechanical Design Project I	PBL 3	Mechanical Design Project II	PBL	3					
,		Fundamentals of Mechanical Engineering Design	VL 2	Basics of Electrical Engineering		Fluid Dynamics			Introduction to Control Systems		Integrated Product	Development and Ligh	htweight
3		Fundamentals of Mechanical Engineering Design	HÜ 2	Basics of Electrical Engineering	VL 3	Fluid Mechanics	VL	3	Introduction to Control Systems	VL 2	Design		
				Basics of Electrical Engineering	GŪ 2	Fluid Mechanics	HÜ	2	Introduction to Control Systems	GÜ 2	Integrated Product De	evelopment l	VL 3
)												weight Design Products	VL 2
.0	Mathematics I										CAE-Team Project		PBL 2
.1	Linear Algebra I VL 2 Linear Algebra I GÜ 1												
2	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	scillations. Analytical		Measurement Technology for Mechanical	Engineers	Bachelor Thesis		
14	Analysis I GÜ 1	Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II	VL 2	Mechanics, Multibody Syste			Measurement Technology for Mechanical	VL 2			
	Analysis I HÜ 1	Technical Thermodynamics I	GÜ 1	Technical Thermodynamics II	HÜ 1	Mechanics IV	VL		Engineering				
.5				Technical Thermodynamics II	GŪ 1	Mechanics IV	GÜ		Measurement Technology for Mechanical	HÜ 1			
.6						Mechanics IV	HÜ	1	Engineering Practical Course: Measurement and Control	PR 2			
L7									Systems				
18	Mechanics I (Statics)	Mechanics II: Mechanics of Materials											
19	Mechanics I VL 2	Mechanics II	VL 2	Mathematics III		Fundamentals of Production	and Quality Manager	ment	Production Technology				
20	Mechanics I GÜ 2 Mechanics I HÜ 1	Mechanics II	GÜ 2 HÜ 2	Analysis III	VL 2	Production Process Organization	n VL	2	Forming and Cutting Technology	VL 2			
21	Mechanics I HU I	Mechanics II	HU 2	Analysis III	GŪ 1	Quality Management	VL	2	Forming and Cutting Technology	HÜ 1			
				Analysis III	HÜ 1				Fundamentals of Machine Tools	VL 2			
22				Differential Equations 1 Differential Equations 1	VL 2 GŪ 1				Fundamentals of Machine Tools	HÜ 1			
3				Differential Equations 1	HÜ 1								
4	Fundamentals of Materials Science (part 1)	Mathematics II											
5	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	VL 2			
7		Analysis II	VL 2	Mechanics III (Hydrostatics, Kinematics, K	(inetics I)				Laboratory	PR 4			
8	Toom Darlant MD	Analysis II	HÜ 1	Mechanics III	VL 3				Material Science Laboratory	PK 4			
	Team Project MB PBL 6	Analysis II	GÜ 1	Mechanics III	GŪ 2								
9				Mechanics III	HÜ 1								
0													
1													
2													
33													
	Nontechnical Complementary Courses for Bac	chelors (from catalogue) - 6LP											
	Nonceanited complementary courses for bac	cherors (nom catalogue) - otr											

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