

Course of Study Mechanical Engineering (Study Cohort w20)

Sample course plan A Bachelor Mechanical Engineering (MBBS)

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Specialisation Mechatronics			
1	Production Engineering (part 1)	Production Engineering (part 2)	Advanced Mechanical Engineering Design (part 1)
2	Production Engineering I VL 2	Production Engineering II VL 2	Advanced Mechanical Engineering Design I VL 2
3	Production Engineering I HÜ 1	Production Engineering II HÜ 1	Advanced Mechanical Engineering Design I HÜ 2
4	Computer Science for Mechanical Engineers	Fundamentals of Materials Science (part 2)	Advanced Mechanical Engineering Design (part 2)
5	Computer Science for Mechanical Engineers VL 3	Fundamentals of Materials Science II VL 2	Advanced Mechanical Engineering Design II VL 2
6	Computer Science for Mechanical Engineers GÜ 2		Advanced Mechanical Engineering Design II HÜ 2
7		Fundamentals of Mechanical Engineering Design	
8		Fundamentals of Mechanical Engineering Design VL 2	
9		Fundamentals of Mechanical Engineering Design HÜ 2	
10	Mathematics I		
11	Linear Algebra I VL 2		
12	Linear Algebra I GÜ 1		
13	Linear Algebra I HÜ 1		
14	Analysis I VL 2	Technical Thermodynamics I VL 2	
15	Analysis I GÜ 1	Technical Thermodynamics I HÜ 1	
16	Analysis I HÜ 1	Technical Thermodynamics I GÜ 1	
17			
18	Mechanics I (Statics)	Mechanics II: Mechanics of Materials	
19	Mechanics I VL 2	Mechanics II VL 2	
20	Mechanics I GÜ 2	Mechanics II GÜ 2	
21	Mechanics I HÜ 1	Mechanics II HÜ 2	
22			
23			
24	Fundamentals of Materials Science (part 1)	Mathematics II	
25	Fundamentals of Materials Science I VL 2	Linear Algebra II VL 2	
26	Physical and Chemical Basics of Materials Science VL 2	Linear Algebra II GÜ 1	
27		Linear Algebra II HÜ 1	
28	Team Project MB	Analysis II VL 2	
29	Team Project MB PBL 6	Analysis II HÜ 1	
30		Analysis II GÜ 1	
31			
32			
33			
Non-technical Courses for Bachelors (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.

