

Course of Study Mechanical Engineering (Study Cohort w23)

Sample course plan A Bachelor Mechanical Engineering (MBBS)

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

Specialisation Biomechanics				
1	Mathematics I		Fundamentals of Mechanical Engineering Design	Advanced Mechanical Engineering Design (part 1)
2	Mathematics I VL 4		Fundamentals of Mechanical Engineering Design VL 2	Advanced Mechanical Engineering Design I VL 2
3	Mathematics I HÜ 2		Fundamentals of Mechanical Engineering Design HÜ 2	Advanced Mechanical Engineering Design I HÜ 2
4	Mathematics I GÜ 2			
5				
6				
7				
8				
9	Fundamentals of Materials Science		Technical Thermodynamics I	Basics of Electrical Engineering
10	Fundamentals of Materials Science II VL 2		Technical Thermodynamics I VL 2	Basics of Electrical Engineering VL 3
11	Fundamentals of Materials Science I VL 2		Technical Thermodynamics I HÜ 1	Basics of Electrical Engineering GÜ 2
12	Physical and Chemical Basics of Materials Science VL 2		Technical Thermodynamics I GÜ 1	
13				
14				
15	Team Project MB		Production Engineering	Technical Thermodynamics II
16	Team Project MB PBL 6		Production Engineering I VL 2	Technical Thermodynamics II VL 2
17			Production Engineering II VL 2	Technical Thermodynamics II HÜ 1
18			Production Engineering II HÜ 1	Technical Thermodynamics II GÜ 1
19				
20				
21	Computer Science for Engineers - Introduction and Overview		Mathematics II	Mathematics III
22	Computer Science for Engineers - Introduction and Overview VL 3		Mathematics II VL 4	Analysis III VL 2
23	Computer Science for Engineers - Introduction and Overview GÜ 2		Mathematics II HÜ 2	Analysis III GÜ 1
24			Mathematics II GÜ 2	Analysis III HÜ 1
25				
26				
27	Engineering Mechanics I (Stereostatics)		Engineering Mechanics II (Elastostatics)	Engineering Mechanics III (Dynamics)
28	Engineering Mechanics I VL 2		Engineering Mechanics II VL 2	Engineering Mechanics III VL 3
29	Engineering Mechanics I GÜ 2		Engineering Mechanics II GÜ 2	Engineering Mechanics III GÜ 2
30	Engineering Mechanics I HÜ 1		Engineering Mechanics II HÜ 2	Engineering Mechanics III HÜ 1
31				
32				
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.

