

Course of Study Mechanical Engineering (Study Cohort w23)

Sample course plan B Bachelor Mechanical Engineering (MBBS) Dual study program

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			Advanced Mechanical Engineering Design II HÜ 2
5				Advanced Mechanical Engineering Design II HÜ 2
6				Advanced Mechanical Engineering Design II HÜ 2
7				Advanced Mechanical Engineering Design II HÜ 2
8				Advanced Mechanical Engineering Design II HÜ 2
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	Basics of Electrical Engineering GÜ 2
13				Basics of Electrical Engineering GÜ 2
14				Basics of Electrical Engineering GÜ 2
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			Production Engineering I HÜ 1	Technical Thermodynamics II GÜ 1
20				Technical Thermodynamics II GÜ 1
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	Computer Science for Engineers - Introduction and Overview GÜ 2		Mathematics II GÜ 2	Analysis III HÜ 1
25				Differential Equations 1 VL 2
26				Differential Equations 1 GÜ 1
27	Practical module 1 (dual study program, Bachelor's degree)		Practical module 2 (dual study program, Bachelor's degree)	Practical module 3 (dual study program, Bachelor's degree)
28	Practical term 1 0		Practical term 2 0	Practical term 3 0
29				Practical term 3 0
30				Practical term 3 0
31				Practical term 3 0
32				Practical term 3 0
33	Engineering Mechanics I (Stereostatics)		Engineering Mechanics II (Elastostatics)	Engineering Mechanics III (Dynamics)
34	Engineering Mechanics I VL 2		Engineering Mechanics II VL 2	Engineering Mechanics III VL 3
35	Engineering Mechanics I GÜ 2		Engineering Mechanics II GÜ 2	Engineering Mechanics III GÜ 2
36	Engineering Mechanics I HÜ 1		Engineering Mechanics II HÜ 2	Engineering Mechanics III HÜ 1
37				Engineering Mechanics III HÜ 1
38				Engineering Mechanics III HÜ 1
Linking theory and practice (dual study program, Bachelor's degree) - 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.

