

# 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 Aircraft Systems Engineering				
1	<b>Mathematics I</b>		<b>Fundamentals of Mechanical Engineering Design</b>	<b>Advanced Mechanical Engineering Design (part 1)</b>
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 VL 2
5				Advanced Mechanical Engineering Design II HÜ 2
6				
7				
8				
9	<b>Fundamentals of Materials Science</b>		<b>Technical Thermodynamics I</b>	<b>Basics of Electrical Engineering</b>
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	<b>Team Project MB</b>		<b>Production Engineering</b>	<b>Technical Thermodynamics II</b>
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	
20				
21	<b>Computer Science for Engineers - Introduction and Overview</b>		<b>Mathematics II</b>	<b>Mathematics III</b>
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				Differential Equations 1 VL 2
26				Differential Equations 1 GÜ 1
27	<b>Engineering Mechanics I (Stereostatics)</b>		<b>Engineering Mechanics II (Elastostatics)</b>	<b>Engineering Mechanics III (Dynamics)</b>
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
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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.

