

Course of Study Mechanical Engineering (Study Cohort w21)

Sample course plan C Bachelor Mechanical Engineering (MBBS)

Specialisation: Aircraft Systems Engineering

		Semester 2		Semester 3		Semester 4		Semester 5		Semester 6		
		Form Hrs/wk		Form Hrs/wk		Form Hrs/wk		Form Hrs/wk		Form Hrs/wk		
1	Production Engineering (part 1)	Production Engineering (part 2)		Advanced Mechanical Engineering Design (part 1)		Advanced Mechanical Engineering Design (part 2)		Advanced Mechanical Design Project		Foundations of Management		
2	Production Engineering I VL 2	Production Engineering II VL 2	Advanced Mechanical Engineering Design I VL 2	Advanced Mechanical Engineering Design II VL 2	Advanced Mechanical Design Project PBL 4	Introduction to Management VL 3						
3	Production Engineering I HÜ 1	Production Engineering II HÜ 1	Advanced Mechanical Engineering Design I HÜ 2	Advanced Mechanical Engineering Design II HÜ 2	Management Tutorial GÜ 2							
4	Mathematics I	Fundamentals of Materials Science (part 2)		Mechanical Engineering: Design (part 1)		Mechanical Engineering: Design (part 2)						
5	Linear Algebra I VL 2	Fundamentals of Materials Science II VL 2	Embodiment Design and 3D-CAD VL 2	Team Project Design Methodology PBL 2								
6	Linear Algebra I GÜ 1			Mechanical Design Project I PBL 3	Mechanical Design Project II PBL 3							
7	Linear Algebra I HÜ 1	Fundamentals of Mechanical Engineering Design										
8	Analysis I VL 2	Fundamentals of Mechanical Engineering Design VL 2										
9	Analysis I GÜ 1	Fundamentals of Mechanical Engineering Design HÜ 2										
10	Analysis I HÜ 1											
11												
12	Mechanics I (Statics)	Technical Thermodynamics I										
13	Mechanics I VL 2	Technical Thermodynamics I VL 2										
14	Mechanics I GÜ 2	Technical Thermodynamics I HÜ 1										
15	Mechanics I HÜ 1	Technical Thermodynamics I GÜ 1										
16												
17												
18	Fundamentals of Materials Science (part 1)	Mechanics II: Mechanics of Materials										
19	Fundamentals of Materials Science I VL 2	Mechanics II VL 2										
20	Physical and Chemical Basics of Materials Science VL 2	Mechanics II GÜ 2										
21			Mechanics II HÜ 2									
22	Team Project MB											
23	Team Project MB PBL 6											
24												
25												
26												
27												
28	Computer Science for Engineers - Introduction and Overview											
29	Computer Science for Engineers - Introduction VL 3											
30	Computer Science for Engineers - Introduction and Overview GÜ 2											
31	Computer Science for Engineers - Introduction and Overview HÜ 1											
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.

