

Course of Study Mechanical Engineering (Study Cohort w23)

Sample course plan B Bachelor Mechanical Engineering (MBBS)

Specialisation Materials in Engineering Sciences

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1	Mathematics I			Fundamentals of Mechanical Engineering Design			Advanced Mechanical Engineering Design (part 1)			Advanced Mechanical Engineering Design (part 2)			Advanced Mechanical Design Project			Foundations of Management							
2	Mathematics I	VL	4	Fundamentals of Mechanical Engineering Design	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	Mathematics I	HÜ	2	Fundamentals of Mechanical Engineering Design	HÜ	2	Advanced Mechanical Engineering Design I	HÜ	2	Advanced Mechanical Engineering Design II	HÜ	2				Management Tutorial	GÜ	2					
4							Mechanical Engineering: Design (part 1)			Mechanical Engineering: Design (part 2)													
5							Embodiment Design and 3D-CAD Introduction			VL	2	Team Project Design Methodology			PBL	2							
6							Mechanical Design Project I			PBL	3	Mechanical Design Project II			PBL	3							
7																							
8				Technical Thermodynamics I			Basics of Electrical Engineering			Fluid Dynamics			Introduction to Control Systems			Enhanced Fundamentals of Materials Science							
9				Technical Thermodynamics I			VL	2	Basics of Electrical Engineering			VL	3	Introduction to Control Systems			VL	2	Materials for Energy Storage and Conversion			VL	2
10				Technical Thermodynamics I			HÜ	1	Basics of Electrical Engineering			GÜ	2	Introduction to Control Systems			GÜ	2	Enhanced Fundamentals: Ceramics and Polymers			VL	2
11				Technical Thermodynamics I			GÜ	1											Enhanced Fundamentals: Ceramics and Polymers			HÜ	1
12																							
13																							
14				Production Engineering			Technical Thermodynamics II			Computational Mechanics			Measurement Technology for Mechanical Engineers			Materials Engineering: Materials Selection, Processing and Modelling							
15				Production Engineering I			VL	2	Technical Thermodynamics II			VL	2	Measurement Technology for Mechanical Engineering			VL	2	Materials Selection and Processing			VL	3
16				Production Engineering II			VL	2	Technical Thermodynamics II			HÜ	1	Engineering					Materials and Process Modeling			VL	3
17				Production Engineering II			HÜ	1	Technical Thermodynamics II			GÜ	1	Engineering			PR	2					
18				Production Engineering I			HÜ	1						Practical Course: Measurement and Control Systems			PR	2					
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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.

