

# Course of Study Mechanical Engineering (Study Cohort w23)

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

Specialisation Theoretical Mechanical Engineering												
1	<b>Mathematics I</b> Mathematics I VL 4 Mathematics I HÜ 2 Mathematics I GÜ 2		<b>Fundamentals of Mechanical Engineering Design</b> Fundamentals of Mechanical Engineering Design VL 2 Fundamentals of Mechanical Engineering Design HÜ 2		<b>Advanced Mechanical Engineering Design (part 1)</b>		<b>Advanced Mechanical Engineering Design (part 2)</b>		<b>Advanced Mechanical Design Project</b> Advanced Mechanical Design Project PBL 4		<b>Foundations of Management</b> Introduction to Management VL 3 Management Tutorial GÜ 2	
2					Advanced Mechanical Engineering Design I VL 2	Advanced Mechanical Engineering Design II VL 2						
3					Advanced Mechanical Engineering Design I HÜ 2	Advanced Mechanical Engineering Design II HÜ 2						
4					<b>Mechanical Engineering: Design (part 1)</b> Embodiment Design and 3D-CAD Introduction VL 2 and Practical Training Mechanical Design Project I PBL 3		<b>Mechanical Engineering: Design (part 2)</b> Team Project Design Methodology PBL 2 Mechanical Design Project II PBL 3					
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7					<b>Fundamentals of Materials Science</b> Fundamentals of Materials Science II VL 2 Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials Science VL 2		<b>Technical Thermodynamics I</b> Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1 Technical Thermodynamics I GÜ 1					
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13	<b>Team Project MB</b> Team Project MB PBL 6		<b>Production Engineering</b> Production Engineering I VL 2 Production Engineering II VL 2 Production Engineering II HÜ 1 Production Engineering I HÜ 1						<b>Technical Thermodynamics II</b> Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 Technical Thermodynamics II GÜ 1		<b>Practical module 4 (dual study program, Bachelor's degree)</b> Practical term 4 0	
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19					<b>Computer Science for Engineers - Introduction and Overview</b> Computer Science for Engineers - Introduction VL 3 and Overview Computer Science for Engineers - Introduction GÜ 2 and Overview		<b>Mathematics II</b> Mathematics II VL 4 Mathematics II HÜ 2 Mathematics II GÜ 2					
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26	<b>Practical module 1 (dual study program, Bachelor's degree)</b> Practical term 1 0		<b>Practical module 2 (dual study program, Bachelor's degree)</b> Practical term 2 0		<b>Practical module 3 (dual study program, Bachelor's degree)</b> Practical term 3 0		<b>Electrical Machines and Actuators</b> Electrical Machines and Actuators VL 3 Electrical Machines and Actuators HÜ 2		<b>Heat Transfer</b> Heat Transfer VL 3 Heat Transfer HÜ 2			
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33	<b>Engineering Mechanics I (Stereostatics)</b> Engineering Mechanics I VL 2 Engineering Mechanics I GÜ 2 Engineering Mechanics I HÜ 1		<b>Engineering Mechanics II (Elastostatics)</b> Engineering Mechanics II VL 2 Engineering Mechanics II GÜ 2 Engineering Mechanics II HÜ 2		<b>Engineering Mechanics III (Dynamics)</b> Engineering Mechanics III VL 3 Engineering Mechanics III GÜ 2 Engineering Mechanics III HÜ 1							
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37	Linking theory and practice (dual study program, Bachelor's degree) (from catalogue) - 6LP											
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The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

