

Course of Study Mechanical Engineering (Study Cohort w23)

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

Specialisation Aircraft Systems Engineering												
1	Mathematics I Mathematics I VL 4 Mathematics I HÜ 2 Mathematics I GÜ 2		Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design VL 2 Fundamentals of Mechanical Engineering Design HÜ 2		Advanced Mechanical Engineering Design (part 1) Advanced Mechanical Engineering Design I VL 2 Advanced Mechanical Engineering Design I HÜ 2		Advanced Mechanical Engineering Design (part 2) Advanced Mechanical Engineering Design II VL 2 Advanced Mechanical Engineering Design II HÜ 2		Advanced Mechanical Design Project Advanced Mechanical Design Project PBL 4		Foundations of Management Introduction to Management VL 3 Management Tutorial GÜ 2	
2					Mechanical Engineering: Design (part 1) Embodiment Design and 3D-CAD Introduction and Practical Training VL 2 Mechanical Design Project I PBL 3		Mechanical Engineering: Design (part 2) Team Project Design Methodology PBL 2 Mechanical Design Project II PBL 3					
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13	Fundamentals of Materials Science Fundamentals of Materials Science II VL 2 Fundamentals of Materials Science I VL 2 Physical and Chemical Basics of Materials Science VL 2		Production Engineering Production Engineering I VL 2 Production Engineering II VL 2 Production Engineering II HÜ 1 Production Engineering I HÜ 1		Technical Thermodynamics II Technical Thermodynamics II VL 2 Technical Thermodynamics II HÜ 1 Technical Thermodynamics II GÜ 1		Practical module 4 (dual study program, Bachelor's degree) Practical term 4 0		Measurement Technology for Mechanical Engineers Measurement Technology for Mechanical Engineering VL 2 Measurement Technology for Mechanical Engineering PR 2 Practical Course: Measurement and Control Systems PR 2		Aeronautical Systems Air Transportation Systems VL 2 Fundamentals of Aircraft Systems VL 2 Fundamentals of Aircraft Systems GÜ 1 Air Transportation Systems HÜ 1	
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25	Computer Science for Engineers - Introduction and Overview Computer Science for Engineers - Introduction and Overview VL 3 Computer Science for Engineers - Introduction and Overview GÜ 2		Practical module 1 (dual study program, Bachelor's degree) Practical term 1 0		Practical module 2 (dual study program, Bachelor's degree) Practical term 2 0		Practical module 3 (dual study program, Bachelor's degree) Practical term 3 0		Modeling, Simulation and Optimization (EN) Modeling, Simulation and Optimization IV 4			
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Linking theory and practice (dual study program, Bachelor's degree) (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.

