

Curriculum Digital Engineering (B.Eng)

effective from study beginning in winter semester 2023/24

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester
Mathematics for Engineers 1 (MA1) (6/5)	Mathematics for Engineers 2 (MA2) (6/5)	Mathematics for Engineers 3 (MA3) (6/5)	Digital Twin (DZ) (4/5)	Industrial Placement (0/22)	Presentation and Facilitation (PMO) (2/2)	Foreign Language (FRS) (2/3)
					General Scientific Elective Modules (AW) (2/2)	
Computer Science for Engineers 1 (INF1) (4/5)	Computer Science for Engineers 2 (INF2) (4/5)	Finite-Element-Method 1 (FEM1) (4/5)	Computer Science for Engineers 3 (INF3) (4/5)		Mandatory Elective Module 1 (WPM 1) (4/5)	Mandatory Elective Module 3 (WPM 3) (4/5)
Computer Aided Design 1 (CAD1) (4/5)	Computer Aided Machine Elements 1 (CME1) (4/5)	Computer Aided Machine Elements 2 (CME2) (4/5)	Computer Aided Design 2 (CAD2) (4/5)		Mandatory Elective Module 2 (WPM 2) (4/5)	Mandatory Elective Module 4 (WPM 4) (4/5)
Manufacturing Methods (FEV) (4/5)	Thermodynamics 1 (TD1) (4/5)	Thermodynamics 2 (TD2) (4/5)	Fluid Mechanics (SM) (4/5)		Validation (VD) (4/5)	Multibody Simulation (MKS) (4/5)
Applied Materials Engineering (AWTK) (4/5)	Fundamentals of Electrical Engineering and Electronics (GEE) (4/5)	Applied Electrical Engineering and Electronics (AEE) (4/5)	Control Loops and Systems (RSV) (3/4) with Laboratory Exercises (RSP) (1/1)		Fundamentals of Electric Machines and Drives (GAT) (4/5)	Bachelor's Thesis (BA) (0/12)
Engineering Mechanics 1 (TM1) (4/5)	Engineering Mechanics 2 (TM2) (4/5)	Engineering Mechanics 3 (TM3) (4/5)	Applied Dynamics (AD) (4/5)	Project Management and Quality Assurance (PQS) (4/4)	Student Project (PA) (4/6)	
				Sustainability, Life Cycle Assessment, Business Administration (NÖB) (4/4)		

26 SWS
30 Credits26 SWS
30 Credits24 SWS
30 Credits24 SWS
30 Credits8 SWS
30 Credits24 SWS
30 Credits14 SWS
30 Credits

Explanation: (3/4) means: 3 SWS und 4 ECTS-Credits

Sum Study Programme: 210 Credits / 146 SWS

Mandatory Elective Modules 1-4: freely selectable from the Elective Module Catalogue Digital Engineering (B.Eng) of the Faculty of Mechanical Engineering