

Curriculum International Mechanical Engineering (B.Eng.)

effective from study beginning in winter semester 2024/2025

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester
Mathematics for Engineers 1 (eMA1) (4/5)	Mathematics for Engineers 2 (eMA2) (4/5)	Mathematics for Engineers 3 (eMA3) (4/5)	Measurement Techniques with Laboratory Exercises (eMT) (4/5)	Berufsqualifizierendes Praktikum (BP) (0/22)	Control Engineering with Laboratory Exercises (eRT) (4/5)	Mandatory Elective Module II-3 (eFW II-3) (4/5)
Engineering Mechanics 1 (eTM1) (4/5)	Engineering Mechanics 2 (eTM2) (4/5)	Fluid Mechanics (eSM) (4/5)	Engineering Mechanics 3 (eTM3) (4/5)		Machine Dynamics (eMD) (4/5)	Mandatory Elective Module II-4 (eFW II-4) (4/5)
Engineering Design 1 (eKO1) (4/5)	Thermodynamics 1 (eTD1) (4/5)	Engineering Design 2 (eKO2) (4/5)	Engineering Design 3 (eKO3) (4/5)		Fundamentals of Electric Machines and Drives (eGAT) (4/5)	Fachwissenschaftliches Wahlpflichtmodul I-2 (FW I-2) (4/5)
Material Science with Laboratory Exercises (eWTK) (6/5)	Design of Machine Elements 1 (eME1) (4/5)	Design of Machine Elements 2 (eME2) (4/5)	Thermodynamics 2 (eTD2) (4/5)		Maschinentechnisches Praktikum (PMS) (4/5)	Präsentation und Moderation (PMO) (2/2)
Manufacturing Methods (eFV) (4/5)	Fundamentals of Programming (eGPR) (4/5)	Fundamentals of Electrical Engineering and Electronics (eGEE) (4/5)	Computer Science for Engineers (eII) (4/5)		Projektarbeit (PA) (4/6)	Bachelorarbeit (BA) (0/12)
Language Track A/B 1 (LTA/B1) (4/5)	Language Track A/B 2 (LTA/B2) (4/5)	Language Track A3 (LTA3) (6/5) Language Track B3 (LTB3) (4/5)	Language Track A4 (LTA4) (6/5) Language Track B4 (LTB4) (4/5)	Projektmanagement und Qualitätssicherung (PQS) (4/4) Nachhaltigkeit, Ökobilanz und Betriebswirtschaft (NÖB) (4/4)	Fachwissenschaftliches Wahlpflichtmodul I-1 (FW I-1) (4/5)	
26 SWS 30 Credits	24 SWS 30 Credits	26/24 SWS 30 Credits	26/24 SWS 30 Credits	8 SWS 30 Credits	24 SWS 31 Credits	14 SWS 29 Credits

Explanation: (4/5) means 4 SWS and 5 ECTS-Credits

Sum Study Programme:
210 Credits/146 bzw. 142 SWS

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