Mechatronics Bachelor of Science

1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester
Development of Sustainable Systems, 10 CP		Measurement Technology, 5 CP	Control Engineering, 5 CP	Specialisation: • Drive Technology or • Automation or • Robotics, 40 CP		Practical Phase and Basics of Project Work (introduction in the 5th semester), 15 CP
Mathematics, 15 CP		Systems Theory, 5 CP	Mechatronic Systems, 5 CP			
		Electronics, 5 CP	Actuators, 5 CP			
Computer Science I, 5 CP	Computer Science II, 5 CP					
		Engineering Mechanics: Kinematics and Kinetics, 5 CP	Sensors, 5 CP			Bachelor's Thesis with Colloquium, 15 CP
Physics, 5 CP	Engineering Mechanics: Fundamentals of Elastostatics, 5 CP					
		Software Engineering, 5 CP	Networks, 5 CP	Engineering Core Elective, 5 CP	Engineering Core Elective, 5 CP	
Electrical Engineering, 5 CP	Digital Technology, 5 CP					
		Microprocessors, 5 CP	Specialisation, 5 CP	Interdisciplinary Challenges of Social Developments, 5 CP	Fundamentals of Business Administration, 5 CP	
Materials Science, 2.5 CP	Technical English, 2.5 CP					

Master

8th semester	9th semester	10th semester
The following consecutive Master's programmes can be pursued after completing the Bachelor's degree: 1. Mechatronics – Master of Science 3 semesters – 90 CP 2. Mechanical Engineering – Master of Science 4 semesters – 120 CP 3. Electrical Engineering and Information Technology International – Master of Science 3/4 semesters – 90/120 CP 4. Data Science – Master of Science 4 semesters – 120 CP 5. Automotive Engineering – Master of Science 4 semesters – 120 CP 6. Polymer Engineering – Master of Science 4 semesters – 120 CP 7. Industrial Engineering – Master of Science 4 semesters – 120 CP The Diploma Supplement, which assigns an ECTS grade from A to E to the grade, simplifies the recognition of the degree abroad.		

CP: The size of the module blocks corresponds to the average amount of studying and learning required. Credit points (CP) are awarded for modules completed - usually 30 CP per semester.
Colour legend: standard module | final thesis | practical phase | core elective, specialisations | interdisciplinary qualifications