Module Overview B. Sc. Mechatronik - 12 Semesters

Degree Programme Guidelines as per 01.10.2023, Version: 01.06.2024 (SB2024II)

The Degree Programme consists of 180 Credit Points (CP) in total:

Mandatory Subject Area:	**120 CP**	**Elective Subject Area:**	**17 - 41 CP**
Internships:	**13 - 24 CP**	**Studium Generale:**	**6 - 12 CP**
Bachelor's Thesis:	**12 CP**		

Language of Tuition: GERMAN
Certificates required

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This leads to following *possible* part-time semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester	9. Semester	10. Semester	11. Semester	12. Semester
Mathematics I (for EE) (8 CP)	Mathematics II (for EE) (8 CP)	Electrical Engineering and Information Technology I (7 CP)	Electrical Engineering and Information Technology II (7 CP)	Mathematics III (for EE) (8 CP)	Statistics and Probability Theory (ETIT) (4 CP)	Deterministic Signals and Systems (7 CP)	Systems of Electrical Engineering (4 CP)	System Modelling, Mechanical Components and Actuators for Mechatronics (6 CP)	System Dynamics and Automatic Control Systems II (7 CP)		Bachelor's Thesis (12 CP)
Engineering Mechanics I (6 CP)	Engineering Mechanics II (6 CP)	Engineering Mechanics III (6 CP)	General Informatics I (6 CP)	Logic Design (6 CP)	Scientific Computing (ETIT) (4 CP)	Technical Thermo-dynamics I	Measuring Technique (4 CP)				
						Electronics (4 CP)	Measuring Technique Lab (3 CP)	System Dynamics and Automatic Control Systems I (6 CP)			
		Internships (10 - 21 CP) *min. 3. Modules*									
		Elective Subject Area Scientific Work (1 - 13 CP) *(1 - 2 Modules)*									
		Elective Subject Area C/C++ (3 CP) *(1 Module)*									
							Elective Subject Area (13 - 25 CP) *from at least 2 of the following areas:* Electrical Engineering and Information Technology; Mechanical Engineering; Informatics				
	Studium Generale (6 - 12 CP)										
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP