Module Overview B. Sc. Mechatronik - 9 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
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)	Technical Thermodynamics I (6 CP)	System Dynamics and Automatic Control Systems II (7 CP)	System Modelling, Mechanical Components and Actuators for Mechatronics (6 CP)
Engineering Mechanics I (6 CP)	Engineering Mechanics II (6 CP)	Engineering Mechanics III (6 CP)	Measuring Technique (4 CP)	Deterministic Signals and Systems (7 CP)	Scientific Computing (ETIT) (4 CP)	System Dynamics and Automatic Control Systems I (6 CP)		
Logic Design (6 CP)	General Informatics I (6 CP)		Measuring Technique Lab (3 CP)	Electronics (4 CP)	Systems of Electrical Engineering (4 CP)			Bachelor's Thesis (12 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; Comptuer Science			
	Studium Generale (6 -12 CP)							
Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP