

Module Overview B.Sc. Elektrotechnik und Informationstechnik - 9 Semester

Degree programme guidelines as per 01.10.2023, Version: 01.10.2024 (SB2024II)

The degree programme consists of 180 Credit Points (CP) in total:

Mandatory Subject Area:	93 CP		Elective Subject Area:	46-52 CP	
Lab Practical:	17 CP		Studium Generale:	6-12 CP	
Bachelor's Thesis:	12 CP				

Language of Tuition:
GERMAN
Certificates required



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This leads to the 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 (8 CP)	Mathematics II (8 CP)	Mathematics III (8 CP)	Statistics / Probability Theory (4 CP)	Deterministic Signals and Systems (7 CP)	Scientific Computing (4 CP)			Bachelor's Thesis (12 CP)
Electrical Engineering and Information Technology I (7 CP)	Electrical Engineering and Information Technology II (7 CP)	Physics for ET (6 CP)	General Informatics I (6 CP)	Software Lab (4 CP)	Scientific Computing Lab (3 CP)	Specialisation <i>Select one area of specialisation:</i> <ul style="list-style-type: none"> AUT** = Automatic Systems; CMEE = Computational Methods in Electrical Engineering DT = Computer Engineering; EET** = Electrical Power Engineering; KTS** = Communication and Sensor Networks; SAE = Sensors, Actuators, and Electronics AET = General Electrical Engineering and Infor. Technic; VAS** = Distributed Autonomous Systems (40 - 46 CP)		
Electrical Engineering and Information Technology I Lab (4 CP)		Logic Design (6 CP)	Measuring Technique (4 CP)	Elektronics (4 CP)	Introduction to Electrodynamics (6 CP)			
			Measuring Technique Lab (3 CP)	Electronics Lab (3 CP)	Systems of Electrical Engineering (4 CP)			
Studium Generale * (6 - 12 CP)				Semiconductor Devices (4 CP)	Elective Subject Area <i>1 module</i> (6 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

* Humanities (min. 1 module); Entrepreneurship and Management; Engineering and Natural Sciences; Languages; Soft Skills; Insight into Professional Lives

** Technical mechanics for electrical engineers in the 8th semester.