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

Degree programme guidelines as per 01.10.2023, Version: 01.10.2023 (SB2023VI)

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

TECHNISCHE UNIVERSITÄT DARMSTADT

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)			
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)	Specialisation *Select one area of specialisation:* AUT** = Automatic Systems; CMEE = Computational Methods in Electrical Engineering; DT = Computer Engineering; EET** = Electrical Power Engineering; KTS** = Communica on and Sensor Networks; SAE = Sensors, Actuators, and Electronics AET = General Electrical Engineering and Information Technology; VAS** = Distributed Autonomous Systems (40 - 46 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 *1 module* (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 Lifes
** Technical mechanics for electrical engineers in the 8th semester.