Module Overview B.Sc. Elektrotechnik und Informationstechnik - 12 Semester

Degree programme guidelines as per 01.10.2023, Version: 01.10.2023 (SB2023VI)
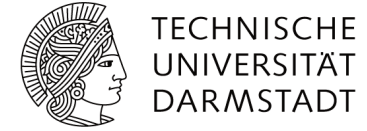
The degree programme consists of 180 Credit Points (CP) in total:

Mandatory Subject Area:	93 CP	Elective Subject Area:	46-52 CP
Lab Practical:	17 CP	Interdisciplinary Elective Area:	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
Mathematics I (8 CP)	Mathematics II (8 CP)	Electrical Engineering and Information Technology I Lab (4 CP)		Mathematics III (8 CP)	Measuring Technique (4 CP)
Logic Design (6 CP)	General Informatics I (6 CP)	Electrical Engineering and Information Technology I (7 CP)	Electrical Engineering and Information Technology II (7 CP)	Software Lab (4 CP)	Measuring Technique Lab (3 CP)
		Physics for ET (6 CP)	Statistics / Probability Theory (4 CP)	Semiconductor Devices (4 CP)	
				Elective Subject Area *1 module* (6 CP)	
			Studium Generale * (6-12 CP)		
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP

7. Semester	8. Semester	9. Semester	10. Semester	11. Semester	12. Semester
Elektronics (4 CP)	Scientific Computing (4 CP)	**Specialisation** *Select one area of specialisation:* 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 Information Technology VAS** = Distributed Autonomous Systems (40-46 CP)			Bachelor's Thesis (12 CP)
Deterministic Signals and Systems (7 CP)	Systems of Electrical Engineering (4 CP)				
Elektronics Lab (3 CP)	Introduction to Electrodynamics (6 CP)				
	Scientific Computing Lab (3 CP)				
Studium Generale * (6-12 CP)					
Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 CP	Ø 15 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.