Module Overview B.Sc. Informationssystemtechnik - 9 Semesters
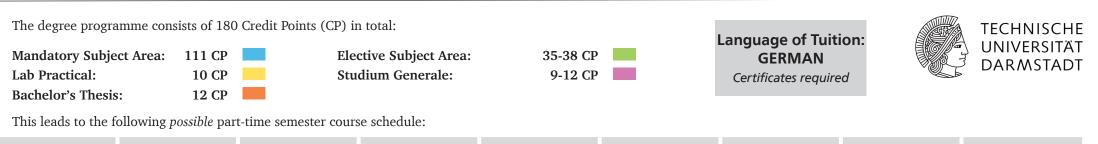
Degree programme guidelines as per 01.10.2023, Version: 01.10.2023 (SB2023II)

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

Mandatory Subject Area:	111 CP	🟦
Lab Practical:	10 CP	🟨
Bachelor's Thesis:	12 CP	🟧

Elective Subject Area:	35-38 CP	🟩
Studium Generale:	9-12 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)	Algorithms and Data Structures (10 CP)	Deterministic Signals and Systems (7 CP)	Statistics and Probability Theory (ETIT) (4 CP)	Elektronics (4 CP)		Bachelor's Thesis** (12 CP)
Electrical Engineering and Information Technology I (7 CP)	Electrical Engineering and Information Technology II (7 CP)	Functional and Objectoriented Programming Concepts (10 CP)	Computer Systems I (6 CP)	Parallel Programming (5 CP)	Scientific Computing (ETIT) (4 CP)	Elektronics Lab (3 CP)		
Electrical Engineering and Information Technology Lab IA and IB (2 + 2 CP)				Operating Systems (5 CP)	Scientific Computing Lab (3 CP)	Software Engineering – Introduction (6 CP)		
Logic Design (6 CP)					Communication Technology (6 CP)			
			Specialisations (open elective catalogs)* (15 - 38 CP) Applications (open elective catalogs)* (0 - 20 CP)					
		Studium Generale Humanities, Languages, Soft Skills, Insights into Professional Lifes (9 - 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

* The chosen modules from the Specialisation Area or the Application Area have to contain at least two courses from type Laboratory, project seminar or (pro-)seminar. The two courses must not be from the same type.

** The Bachelor's Thesis can be written in department 18 or in department 20.