Module Overview B.Sc. Informatik - 9 Semesters

Degree programme guidelines as per 01.10.2023, Version: 01.10.2023 (SB2023II)

The degree programme consists of 120 Credit Points (CP) in total:

Mandatory Subject Area:	114 CP	🟦	**Elective Subject Area:**	48 - 49 CP	🟩
General Studies	5 - 6 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
Start successfully into your Studies (1 CP)	Algorithms and Data Structures* (10 CP)	Digital Design* (5 CP)	Computer Organisation* (5 CP)	Introduction to Artificial Intelligence (5 CP)		Computer Science and Society (3 CP)		
Functional and Objectoriented Programming Concepts* (10 CP)	Mathematics II (for Computer Science)* (9 CP)	Automata, Formal Languages and Decidability* (5 CP)	Propositional Logic and Predicate Logic* (5 CP)	Probabilistic Methods in Computer Science (5 CP)		Introduction to Scientific Methods (3 CP)		Bachelor's Thesis (12 CP)
Mathematics I (for Computer Science)* (9 CP)		Software Engineering (5 CP)	Information Management (5 CP)	Modelling, Specification and Semantics (5 CP)		Team Project Software Development (9 CP)		
		Computer Security (5 CP)	Computer Networks and Distributed Systems (5 CP)	Parallel Programming (5 CP)				
		Compulsory Elective Courses (open catalogue) (10 - 35 CP)						
			Computer Science Elective Areas (open catalogue) (5 - 30 CP)					
			Computer Science Elective Areas (open catalogue) (9 - 18 CP)					
			General Studies (5 - 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

* Course credits are divided into several individual credits distributed throughout the semester.