

Module Overview B.Sc. Informatik - 12 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



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	10. Semester	11. Semester	12. Semester
Start successfully into your Studies (1 CP)	Algorithms and Data Structures* (10 CP)	Mathematics I (For Computer Science)* (9 CP)	Mathematics II (For Computer Science)* (9 CP)	Software Engineering (5 CP)	Information Management (5 CP)	Probabilistic Methods in Computer Science (5 CP)		Computer Science and Society (3 CP)			Bachelor's Thesis (12 CP)
Functional and Object-oriented Programming Concepts* (10 CP)	Computer Organisation* (5 CP)	Automata, Formal Languages and Decidability* (5 CP)	Propositional Logic and Predicate Logic* (5 CP)	Introduction to Artificial Intelligence (5 CP)	Computer Networks and Distributed Systems (5 CP)	Modelling, Specification and Semantics (5 CP)		Introduction to Scientific Methods (3 CP)			
Digital Design* (5 CP)				Computer Security (5 CP)		Parallel Programming (5 CP)		Team Project Software Development (9 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)								
∅ 15 CP	∅ 15 CP	∅ 15 CP	∅ 15 CP	∅ 15 CP	∅ 15 CP	∅ 15 CP	∅ 15 CP	∅ 15 CP	∅ 15 CP	∅ 15 CP	∅ 15 CP

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