

Module Overview J.B.A. Computer Science (9 Semesters)

Degree Programm Guidelines 01.10.2019, version 01.10.2019

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

Computer Science:	75 CP		Second Component:	75 CP	
‣ Mandatory Subject Area:	56 CP		Optional Area:	15 CP	
‣ Elective Subject Area:	19 CP		Thesis Area:	15 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
Functional and Object-Oriented Programming Concepts (10 CP)	Algorithms and Data Structures (10 CP)	Higher Mathematics I (7 CP)	Computer Organisation (5 CP)	Software Engineering (5 CP)		Practical Lab for Bachelors with Project Management (9 CP)		Support Discussion / Preliminary Research (3 CP)
		Automata, Formal Languages and Decidability (5 CP)		Operating Systems (5 CP)				Bachelor's Thesis (12 CP)
<p style="text-align: center;">Elective Subject Area* Exams in 2 out of 6 focus areas (mind. 14 CP)</p>								
<p style="text-align: center;">Elective Subject Area (max. 5 CP)</p>								
<p>Second Component You can choose between Digital Philology, German Studies, History, Musical Culture, Philosophy, Sociology, or Political Science (75 CP)</p>								
<p>Optional Area open catalogues of FB 2, FB1, FB 3 and FB 20, complete catalogue of all modules of TU Darmstadt (15 CP)</p>								
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

* Choose from: IT Security; Networks and Distributed Systems; Robotics, Computational and Computer Engineering; Software Systems and Formal Foundations; Visual & Interactive Computing; Web, Knowledge, and information processing