

		Semester			
		1	2	3	4
Credit Points	1	Advanced Algorithms 9 CP	Theory of Machine Learning 9 CP	Project 10 CP	Master thesis and colloquium Specialisation Computer Security 30 CP
	2				
	3				
	4				
	5				
	6	Software Security 9 CP	Geometric Algorithms 5 CP	Deep Learning 5 CP	
	7				
	8				
	9				
	10				
	11	Foundations of Programming Languages, Verification And Security 5 CP	Digital Sovereignty 6 CP	Cryptography on hardware-based Platforms 5 CP	
	12				
	13				
	14	Free Elective Module 5 CP	Practical Course: Research in Software Security 4 CP	Free Elective Module I 5 CP	
	15				
	16				
	17	Seminar Software and Internet Security 3 CP	Free Elective Module 5 CP		
	18				
	19	Free Elective Module 5 CP	Free Elective Module 5 CP		
	20				
	21				
	22	Free Elective Module 5 CP			
	23				
	24	Free Elective Module 5 CP			
	25				
	26	Free Elective Module 5 CP			
	27				
	28	Free Elective Module 5 CP			
	29				
	30	Free Elective Module 5 CP			

- Compulsory elective module (Basic/Foundation)
- Specialisation module
- Free Elective Module
- Specialised seminar
- Specialised practical course
- Project
- Final Thesis