

Bachelor Course IT-Security (Valid from Winter Term 2020/21)

1. Semester (30 KP)	2. Semester (30 KP)	3. Semester (30 KP)	4. Semester (30 KP)	5. Semester (29 KP)	6. Semester (31 KP)
CS1700-KP04 Intro to IT-Security and Reliability 4 KP (2V+1Ü)	CS1002-KP04 Introduction to Logics 4 KP (2V+1Ü)	CS3420-KP04 Cryptology 4 KP (2V+1Ü)	CS2250-KP08 Cybersecurity 8 KP (2V+1Ü+3P)	CS3250-KP08 Save Software 8 KP (2V+1Ü+2P)	CS4172-KP04 Dependability of Computer Systems 4 KP (2V+1Ü)
CS1000-KP10 Introduction to Programming 10 KP (3V+3Ü+2P)	CS1001-KP08 Algorithms und Data Structures 8 KP (4V+2Ü)	CS3010-KP04 Human-Computer-Interaction 4 KP (2V+1Ü)	CS3050-KP04 Coding and Security 4 KP (2V+1Ü)	CS2550-KP08 Security in Networks und Computer Forensics 8 KP (4V+2Ü)	CS3993-KP15 Bachelor Thesis IT-Security 15 KP
		CS2700-KP04 Databases 4 KP (2V+1Ü)			
MA1000-KP08 Linear Algebra und Discrete Structures 1 8 KP (4V+2Ü)	CS1200-KP06 Fundamentals of Computer Engineering 1 6 KP (2V+2Ü)	CS2300-KP06 Software Engineering 6 KP (3V+1Ü)	CS2301-KP06 Lab course Software Engineering 6 KP (4P)	CS3295-KP05 Bachelor Project IT-Security 5 KP (3P)	Elective Courses 8 KP
	MA1500-KP08 Linear Algebra und Discrete Structures 2 8 KP (4V+2Ü)	CS2000-KP08 Theoretical Computer Science 8 KP (4V+2Ü)	CS2100-KP04 Computer Architecture 4 KP (2V+1Ü)		
MA2000-KP08 Analysis 1 8 KP (4V+2Ü)	MA1500-KP08 Linear Algebra und Discrete Structures 2 8 KP (4V+2Ü)	Elective Courses 4 KP	CS2150-KP08 Operating Systems and Networks 8 KP (4V+2Ü)	CS3290-KP04 Bachelor Seminar IT-Security 4 KP (2S)	Free electives 4 KP
	MA2510-KP04 Stochastics 1 4 KP (2V+1Ü)		CS3000-KP04 Algorithm Design 4 KP (2V+1Ü)		
4 Exams	5 Exams	6 Exams	4 Exams	3 Exams	3-4 Exams
Weekly hours: V = Lecture, Ü = Exercise, P = Laboratory, S = Seminar					
Mandatory IT-Security		Mandatory Computer Sciences		Mandatory Mathematics	
				Elective Courses (subject-specific)	
				Elective Courses (free elective)	