

## Anhang B.

## Beispielstudienplan Bachelor-Studiengang Cybersecurity (English)

← Semester		CP →			
1	Programming 1 (9 CP)	Mathematics for Computer Scientists 1 (9 CP)	Foundations of Cybersecurity 1 (9 CP)	Mandatory Elective (e.g., Introduction to Python, 3 CP)	30
2	Programming 2 (9 CP)	Mathematics for Computer Scientists 2 (9 CP)	Foundations of Cybersecurity 2 (6 CP)	Language Course (6 CP)	30
3	Cybersecurity Lab (6 CP)	Introduction to Theoretical Computer Science (9 CP)	Fundamentals of Data Structures and Algorithms (6 CP)	Cybersecurity Proseminar (5 CP)	26
4	Cryptography (9 CP)	System Architecture (9 CP)	Cybersecurity Complementary Lecture (6 CP)	Statistics Lab (6 CP)	30
"Software Engineering Lab" (9 CP) offered during the break between summer and winter term					9
5	Advanced Lecture Cybersecurity (6 CP)	Elements of Machine Learning (6 CP)	Cybersecurity Complementary Lecture (6 CP)	Cybersecurity Seminar (7 CP)	25
6	Advanced Lecture Cybersecurity (6 CP)	Bachelor's Thesis (12 CP)	Bachelor's Seminar (9 CP)	Mandatory Elective (e.g., language course, 3 CP)	30