Course of Study Computer Science (Study Cohort w18)

	course plan T Bachelor Computer 9				Core Qualifica	ation Elective Cor	mpulsory Specialisation Elective Compulsory Focus Elective	e Compulsory Interdisciplinary compleme	ent
Special	isation:Computer and Software Engi	neering Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk	Semester 5 Form Hrs/wk	Semester 6 F	Form Hrs/wk
1 2 3 4 5	Discrete Algebraic Structures Discrete Algebraic Structures VL 2 Discrete Algebraic Structures GÜ 2	Objectoriented Programming, Algorithms and Data Structures Objectoriented Programming, Algorithms and VL 4 Data Structures Objectoriented Programming, Algorithms and GÜ 1 Data Structures	Computer Engineering Computer Engineering Computer Engineering	VL 3 GÜ 1	Computability and Complexity Theory Computability and Complexity Theory Computability and Complexity Theory	VL 2 GÜ 2	Seminars Computer Science and Mathematics Seminar Computational Engineering Science SE 2 Seminar Computer Science/Mathematics SE 2 Seminar Computer Science/Engineering SE 2 Mathematics		VL 2 GÜ 2
7 8 9 10 11	Procedural Programming Procedural Programming Procedural Programming Procedural Programming PR 2	Automata Theory and Formal Languages Automata Theory and Formal Languages VL 2 Automata Theory and Formal Languages GÜ 2	Computernetworks and Internet Security Computer Networks and Internet Security Computer Networks and Internet Security	VL 3 GŪ 1	Signals and Systems Signals and Systems Signals and Systems	VL 3 GÜ 2	Software Industrial Internship	Systems Introduction into Medical Technology and Systems	ystems VL 2 PS 2 HÜ 1
13 14 15 16 17	Functional Programming Functional Programming VL 2 Functional Programming HÜ 2 Functional Programming GÜ 2	Software Engineering Software Engineering VL 2 Software Engineering GÜ 2	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	VL 2 GÜ 1 HÜ 1 VL 2 GÜ 1 HÜ 1	Stochastics Stochastics Stochastics	VL 2 GÜ 2	Introduction to Communications and Random Processes Introduction to Communications and Random VL 3 Processes Introduction to Communications and Random HÜ 1 Processes Introduction to Communications and Random GÜ 1 Processes		VL 3 GÛ 1
19 20 21 22 23 24	Linear Algebra VL 4 Linear Algebra HÜ 2 Linear Algebra GÜ 2	Mathematical Analysis Mathematical Analysis Mathematical Analysis Mi 2 Mathematical Analysis GÜ 2	Introduction to Information Security Introduction to Information Security Introduction to Information Security	VL 3 GÜ 2	Operating Systems Operating Systems Operating Systems	VL 2 GÜ 2	Computer Architecture Computer Architecture Computer Architecture PBL 2 Computer Architecture GÜ 1	Lab Cyber-Physical Systems Lab Cyber-Physical Systems	PBL 4
25 26							Quantum Mechanics for Engineers Quantum Mechanics for Engineers VL 2 Quantum Mechanics for Engineers GÜ 2	Bachelor Thesis	
27 28 29 30 31 32 33 34		Foundations of Management Introduction to Management VL 3 Management Tutorial HÜ 2					Quantum mediatrics tot engineers GU 2		
35 36									
	Nontechnical Complementary Courses for Ba	chelors (from catalogue) - 6LP							

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.