## Course of Study Computer Science (Study Cohort w18)

Nontechnical Complementary Courses for Bachelors (from catalogue) - 6LP

Sample course plan R Bachelor Computer Science (CSBS) Specialisation Computational Mathematics

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1 For	rrHrs/w8remester 2	Forn <del>h</del> lrs/	w&semester 3	Forn <del>h</del> lrs/	w&emester 4	Forn <del>h</del> lrs/	w&nester 5 F	orn <del>h</del> lrs/	w&vemester 6	Forn <del>h</del> lrs/wk
1 2 3 4 5 6	Discrete Algebraic Structures Discrete Algebraic Structures VL Discrete Algebraic Structures UE	Objects viewted Due susuaming	vtures VL 4	Computer Engineering Computer Engineering Computer Engineering	VL 3 UE 1	Computability and Complete Theory Computability and Complexity Theory Computability and Complexity Theory	VL 2	Engineering Science Seminar Computational S Mathematics/Computer Science	and EE 2 EE 2 EE 2	Algebra and Control Algebra and Control Algebra and Control	VL 2 UE 2
7 8 9 10 11	Procedural Programming Procedural Programming VL Procedural Programming HÜ Procedural Programming PR	A TI T	IVL 2	Computernetworks and Int Security Computer Networks and Internet Security Computer Networks and Internet Security	ernet VL 3 UE 1	Signals and Systems Signals and Systems Signals and Systems	VL 3 UE 2	Software Industrial Internship	p	Solvers for Sparse Linear Systems Solvers for Sparse Linear Systems Solvers for Sparse Linear Systems	VL 2 UE 2
13 14 15 16 17 18	Functional Programming HÜ	Software Engineering Software Engineering Software Engineering Software Engineering	VL 2 UE 2	Mathematics III  Analysis III  Analysis III  Analysis III  Differential Equations 1  Differential Equations 1  Differential Equations 1	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Stochastics Stochastics Stochastics	VL 2 UE 2		′L 2 E 2	Mathematics IV Complex Functions Complex Functions Complex Functions Differential Equations 2 Differential Equations 2 Differential Equations 2	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1
19 20 21 22 23 24 25 26	Linear Algebra HÜ	Mathematical Analysis  Mathematical Analysis  Mathematical Analysis  Mathematical Analysis  Mathematical Analysis	VL 4 HÜ 2 UE 2	Introduction to Information Security Introduction to Information Security Introduction to Information Security	NL 3 UE 2	Graph Theory and Optimiz Graph Theory and Optimization Graph Theory and Optimization  Operating Systems	VL 2 UE 2	Systems Introduction to Control USystems  Numerics and Computer Alge	L 2 E 2	Bachelor Thesis	
27 28 29 30 31 32		Foundations of Manageme Introduction to Management Management Tutorial				Operating Systems Operating Systems	VL 2 UE 2	Numerical Mathematics and V Computer Algebra  Numerical Mathematics and U Computer Algebra  Numerics and Computer S Algebra			

