

Curriculum International Computer Science B.Sc.

	ECTS																														
Semester	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Sum ECTS
1	Mathematics 1							Programming 1							Automata, Formal Languages, and Computation					Business Administration					Language Track 1 A or B *)					30	
2	Mathematics 2							Programming 2							Computer Systems					Computer Networks					Language Track 2 A or B *)					30	
3	Databases							Global Software Engineering							Operating Systems					Statistics					Language Track 3 A or B *)					30	
4	Computer Architecture							Algorithms and Data Structures							Web Technology Project					Software for the Global Market					Language Track 4 A or B *)					30	
5	Industrial Placement + Seminar																										AWPM 1		AWPM 2		30
6	Core Module 1 Scientific Seminar *)					Core Module 2 Advanced Algorithms *)					Core Module 3 Information Security *)					Core Module 4 Quantum Computing *)					FWPM 1					FWPM 2					30
7	Bachelor Thesis												Bachelor Seminar			Core Module 5 Big Data Technologies *)					Core Module 6 Stochastic Algorithms *)					FWPM 3					30

*) Language Track 1 - 4:

Track A: German
Track B: Spanish

*) Core Modules 1 - 6:

The above-mentioned modules are intended to provide an insight to the course content. Please note, the actual modules offered can be amended at any time.