

# Curriculum International Computer Science B.Sc.

Semester	ECTS																														Sum ECTS
	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	
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 Stochastic Algorithms *)				Core Module 4 Big Data Technology *)				FWPM 1				FWPM 2				30						
7	Bachelor Thesis										Bachelor Seminar		Core Module 5 Int. Software Development *)				Core Module 6 Information Security *)				FWPM 3				30						

**\*) Language Track 1 - 4:**

Track A: German  
Track B: Spanish

**\*) Core Modules 2 - 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.