BSc Degree in Computer Science at Jacobs University (180 CP)

Year 3	**Bachelor Thesis / Seminar** (m, 15 CP)				**Big Questions** (me, 5 CP)	**Big Questions** (me, 2.5 CP)
	Study Abroad Option (22.5 CP)					
	Specialization (me, 3 x 5 CP)				**Community Impact Project** (m, 5 CP)	**Big Questions** (me, 2.5 CP)
	Internship/Startup (Summer) (15 CP)					
Year 2	**CORE*** Software Engineering (m, 7.5 CP)	**CORE** Automata, Computability, Complexity (m, 7.5 CP)	**CORE** Secure and Dependable Systems (me, 5 CP)	**CORE** Academic Skills in CS (me, 2.5)	**Methods/Skills** Discrete Mathematics or Numerical Methods (me, 5 CP)	**Language** (me, 2.5 CP)
	CORE* Databases and Web Services (m, 7.5 CP)	**CORE** Operating Systems (m, 7.5 CP)	**CORE** Computer Networks (me, 5 CP)	**CORE** Legal and Ethical Aspects (me, 2.5)	**Methods/Skills** Probability and Random Processes (m, 5 CP)	**Language** (me, 2.5 CP)
Year 1	**CHOICE*** Algorithms and Data Structures (m, 7.5 CP)	**CHOICE** Introduction to Robotic and Intelligent Systems (m, 7.5 CP)	**CHOICE** Own Selection (me, 7.5 CP)		**Methods/Skills** Calculus and Elements of Linear Algebra II (m, 5 CP)	**Language** (me, 2.5 CP)
	CHOICE* Programming in C and C++ (m, 7.5 CP)	**CHOICE** Introduction to Computer Science (m, 7.5 CP)	**CHOICE** Own Selection (me, 7.5 CP)		**Methods/Skills** Calculus and Elements of Linear Algebra I (m, 5 CP)	**Language** (me, 2.5 CP)
Area	**CHOICE / CORE 90 CP**				**JACOBS TRACK 45 CP**	

* mandatory for minor students
m = mandatory
me = mandatory elective