

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