Sample Study Plan for BEng(CompSc) [for intakes of 2017 and before] (for students with HKDSE Math Extended Module 1 or 2 or equivalent⁺⁺)

		Semester 1		Semester 2	
Year 1 (60 cu)	UG5 Requirements (12 + 12 cu)	MATH1851 / MATH1853	Calculus and ordinary differential equations / Linear algebra, probability and statistics	MATH1851 / MATH1853	Calculus and ordinary differential equations / Linear algebra, probability and statistics
		ENGG1111	Computer programming and applications	PHYS1050	Physics for engineering students
	Engineering (18 + 18 cu)	ENGG1202 / ENGG120x	Introduction to computer science / General Engineering course *	ENGG1202 / ENGG120x	Introduction to computer science / General Engineering course *
		CAES1000	Core University English	CC	University Common Core
		CC	University Common Core	CC	University Common Core
Year 2 (60 cu)	UG5 Requirements (12 + 6 cu)	COMP2121	Discrete mathematics	COMP2119	Introduction to data structures and algorithms
		COMP2123	Programming technologies and tools	COMP2120	Computer organization
	CS Core (12 + 12 cu)	COMP2396	Object-oriented programming and Java #	Free Elective	Elective course in any disciplines
		CC	University Common Core	Free Elective	Elective course in any disciplines
	Electives (6 + 12 cu)	CC	University Common Core	CC	University Common Core
Year 3 (66 cu)	UG5 Requirements (6 + 0 cu)	COMP3230	Principles of operating systems	COMP3234	Computer and communication networks
		COMP3278	Introduction to database management systems	COMP3250	Design and analysis of algorithms
	CS Core (18 + 18 cu)	COMP3297	Software engineering	COMP3311	Legal aspects of computing
		CENG9001	Practical Chinese for engineering students	CS Elective	Elective course in computer science
	Electives (6 + 12 cu)	CS Elective	Elective course in computer science	Free Elective	Elective course in any disciplines
	Summer (6 cu)	COMP3412	Internship		
Year 4 (54 cu)	UG5 Requirements (6 + 0 cu)	COMP4801	Final year project	COMP4801	Final year project
		CAES9542	Technical English for computer science	CS Elective	Elective course in computer science
	Capstone Experience (12 cu)	CS Elective	Elective course in computer science	Free Elective	Elective course in any disciplines
		Free Elective	Elective course in any disciplines	Free Elective	Elective course in any disciplines
	Electives (18 + 18 cu)	Free Elective	Elective course in any disciplines		

* List of General Engineering Courses:

ENGG1201	Engineering for sustainable development	ENGG1205	Introduction to mechanical engineering
ENGG1203	Introduction to electrical and electronic engineering	ENGG1206	Introduction to biomedical engineering
ENGG1204	Industrial management and logistics	ENGG1207	Foundation of biochemistry for medical engineering

⁺⁺ For students who achieved Level 2 or above in HKDSE Math Extended Module 1 or 2; for other qualifications, please consult Faculty for advices

\# Academic Advisor's recommendation of CS elective course