Sample Study Plan for BEng(CompSc) [for intakes of 2017 and before] (without HKDSE Math Extended Module 1 or 2)

		Semester 1		Semester 2	
Year 1 (60 cu)	UG5 Requirements (12 + 12 cu) Engineering (18 + 18 cu) Electives (6 + 0 cu)	MATH1011 ENGG1111 ENGG1202 / ENGG120x CAES1000 CC	University mathematics I †† Computer programming and applications Introduction to computer science / General Engineering course * Core University English University Common Core	MATH1853 PHYS1050 ENGG1202 / ENGG120x CC CC	Linear algebra, probability and statistics Physics for engineering students Introduction to computer science / General Engineering course * University Common Core University Common Core
Year 2 (60 cu)	UG5 Requirements (6 + 12 cu) CS Core + Engineering (18 + 12 cu) Electives (6 + 6 cu)	COMP2121 COMP2123 MATH1851 COMP2396 CC	Discrete mathematics Programming technologies and tools Calculus and ordinary differential equations Object-oriented programming and Java # University Common Core	COMP2119 COMP2120 Free Elective CC CC	Introduction to data structures and algorithms Computer organization Elective course in any disciplines University Common Core University Common Core
Year 3 (66 cu)	UG5 Requirements (6 + 0 cu) CS Core (18 + 18 cu) Electives (6 + 12 cu)	COMP3230 COMP3278 COMP3297 CENG9001 CS Elective	Principles of operating systems Introduction to database management systems Software engineering Practical Chinese for engineering students Elective course in computer science	COMP3234 COMP3250 COMP3311 CS Elective Free Elective	Computer and communication networks Design and analysis of algorithms Legal aspects of computing Elective course in computer science Elective course in any disciplines
	Summer (6 cu)	COMP3412	Internship		
Year 4 (54 cu)	UG5 Requirements (6 + 0 cu) Capstone Experience (12 cu) Electives (18 + 18 cu)	COMP4801 CAES9542 CS Elective Free Elective Free Elective	Final year project Technical English for computer science Elective course in computer science Elective course in any disciplines Elective course in any disciplines	COMP4801 CS Elective Free Elective Free Elective	Final year project Elective course in computer science Elective course in any disciplines 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

†† Students without DSE Extended Module 1 or 2 should take MATH1011 before taking MATH1851 and MATH1853

\# Academic Advisor's recommendation of CS elective course