Sample Study Plan for BEng(CompSc) [for 2022-23 intake and thereafter] (without HKDSE Math Extended Module 1 or 2)

		Semester 1		Semester 2	
Year 1 (60 cu)	UG5 Requirements && (18 cu)	MATH1011	University mathematics I ††	MATH1853	Linear algebra, probability and statistics
		ENGG1300 / ENGG1310	Fundamental mechanics / Electricity and electronics	ENGG1300 / ENGG1310	Fundamental mechanics / Electricity and electronics
	Engineering (36 cu)	ENGG1330	Computer programming I	ENGG1340	Computer programming II
		CAES1000 / ENGG1320	Core University English / Engineers in the modern world	CAES1000 / ENGG1320	Core University English / Engineers in the modern world
	Electives (6 cu)	CC	University Common Core	CC	University Common Core
Year 2 (60 cu)	UG5 Requirements && (24 cu)	COMP2119	Introduction to data structures and algorithms	COMP2120	Computer organization
		COMP2121	Discrete mathematics	COMP3314	Machine Learning
	Engineering/CS Core (36 cu)	COMP2396	Object-oriented programming and Java	MATH1851	Calculus and ordinary differential equations
		CC	University Common Core	CC	University Common Core
		CC	University Common Core	CC	University Common Core
Year 3 (60 cu)	UG5 Requirements && (6 cu)	COMP3230	Principles of operating systems	COMP3251 / COMP3252	Algorithm design / Algorithm design and analysis
		COMP3278	Introduction to database management systems	CS Elective	Elective course in computer science
	CS Core (24 cu)	COMP3297	Software engineering	CS Elective	Elective course in computer science
		CS Elective	Elective course in computer science	Free Elective	Elective course in any disciplines
	Electives (30 cu)	CENG9001 / Free Elective	Practical Chinese for engineering students / Elective course in any disciplines	CENG9001 / Free Elective	Practical Chinese for engineering students / Elective course in any disciplines
	Summer (0 cu)	COMP3410	Internship		
Year 4 (60 cu)	UG5 Requirements && (6 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
		CS Elective	Elective course in computer science	Free Elective	Elective course in any disciplines
	Electives (42 cu)	Free Elective	Elective course in any disciplines	Free Elective	Elective course in any disciplines

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

&& UG5(e) requirement – Successful completion of any other non-credit bearing course(s) for fostering students' whole-person development