

Sample Study Plan for BEng(CompSc) [for 2024-25 intake] (for students with HKDSE Physics and Math Extended Module 1 or 2 **)

		Semester 1		Semester 2	
Year 1 (60 cu)	UG5 Requirements ^{&&} (18 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
		ENGG1300 / ENGG1310	Fundamental mechanics / Electricity and electronics	ENGG1300 / ENGG1310	Fundamental mechanics / Electricity and electronics
	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	
	CC	University Common Core	CC	University Common Core	
	Engineering (42 cu)				
Year 2 (60 cu)	UG5 Requirements ^{&&} (24 cu)	COMP2119	Introduction to data structure and algorithms	COMP2120	Computer organization
		COMP2121	Discrete mathematics	COMP3314	Machine Learning
	COMP2396	Object-oriented programming and Java	Free Elective	Elective course in any disciplines	
	CC	University Common Core	CC	University Common Core	
	CC	University Common Core	CC	University Common Core	
	CS Core (30 cu)				
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
	COMP3297	Software engineering	CS Elective	Elective course in computer science	
	CS Elective	Elective course in computer science	Free Elective	Elective course in any disciplines	
	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	
	CS Core (24 cu)				
Year 4 (60 cu)	UG5 Requirements ^{&&} (6 cu)	COMP3297	Software engineering	CS Elective	Elective course in computer science
		COMP3230	Principles of operating systems	COMP3251 / COMP3252	Algorithm design / Algorithm design and analysis
Capstone Experience (12 cu)	Electives (42 cu)	COMP3410	Internship		
		COMP4801	Final year project	COMP4801	Final year project
		CAES9542	Technical English for computer science	CS Elective	Elective course in computer science
		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
Free Elective	Elective course in any disciplines	Free Elective	Elective course in any disciplines		
Summer (0 cu)					

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

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