

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

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

⊕ Students could take ENGG1112 in lieu of ENGG1111; please note that ENGG1112 is a two-semester course

Academic Advisor's recommendation of CS elective course