

Sample Study Plan for BEng(CompSc) [for 2018-19 intake and thereafter] (without HKDSE Math Extended Module 1 or 2)

		Semester 1		Semester 2	
Year 1 (60 cu)	UG5 Requirements (18 cu) Engineering (36 cu) Electives (6 cu)	MATH1011 University mathematics I ** ENGG1300 / Fundamental mechanics / ENGG1310 Electricity and electronics ENGG1330 Computer programming I CAES1000 / Core University English / ENGG1320 Engineers in the modern world CC University Common Core	MATH1851 / Calculus and ordinary differential equations / MATH1853 Linear algebra, probability and statistics ENGG1300 / Fundamental mechanics / ENGG1310 Electricity and electronics ENGG1340 Computer programming II CAES1000 / Core University English / ENGG1320 Engineers in the modern world CC University Common Core		
Year 2 (60 cu)	UG5 Requirements (24 cu) Engineering/CS Core (30 cu) Electives (6 cu)	COMP2121 Discrete mathematics COMP2396 Object-oriented programming and Java MATH1851 / Calculus and ordinary differential equations / MATH1853 Linear algebra, probability and statistics CC University Common Core CC University Common Core	COMP2119 Introduction to data structures and algorithms COMP2120 Computer organization CS Elective Elective course in computer science CC University Common Core CC University Common Core		
Year 3 (60 cu)	UG5 Requirements (6 cu) CS Core (30 cu) Electives (24 cu)	COMP3230 Principles of operating systems COMP3278 Introduction to database management systems COMP3297 Software engineering CENG9001 / Practical Chinese for engineering students / Free Elective Elective course in any disciplines CS Elective Elective course in computer science	COMP3234 Computer and communication networks COMP3250 Design and analysis of algorithms CS Elective Elective course in computer science CENG9001 / Practical Chinese for engineering students / Free Elective Elective course in any disciplines Free Elective Elective course in any disciplines		
	Summer# (0 cu)	COMP3410	Internship		
Year 4 (60 cu)	UG5 Requirements (6 cu) Capstone Experience (12 cu) Electives (42 cu)	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	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 Free Elective Elective course in any disciplines		

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

Student can take the Internship course in the 2nd summer provided they can identify a suitable summer placement (which is approved by the department).