

## Sample Study Plan for BEng(CompSc) [for 2018-19 to 2020-21 intakes] (without HKDSE Math Extended Module 1 or 2)

		Semester 1	Semester 2
Year 1 (60 cu)	UG5 Requirements <sup>&amp;&amp;</sup> (18 cu)  Engineering (36 cu)  Electives (6 cu)	MATH1011 University mathematics I <sup>††</sup>	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
Year 2 (60 cu)	UG5 Requirements <sup>&amp;&amp;</sup> (24 cu)  Engineering/CS Core (30 cu)  Electives (6 cu)	COMP2119 / CC Introduction to data structures and algorithms / University Common Core	COMP2119 / CC Introduction to data structures and algorithms / University Common Core
		COMP2121 Discrete mathematics	COMP2120 Computer organization
		COMP2396 Object-oriented programming and Java	CS Elective Elective course in computer science
		MATH1851 / MATH1853 Calculus and ordinary differential equations / Linear algebra, probability and statistics	CC University Common Core
		CC University Common Core	CC University Common Core
Year 3 (60 cu)	UG5 Requirements <sup>&amp;&amp;</sup> (6 cu)  CS Core (30 cu)  Electives (24 cu)	COMP3230 Principles of operating systems	COMP3250 Design and analysis of algorithms
		COMP3278 Introduction to database management systems	COMP3234 Computer and communication networks
		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
Year 4 (60 cu)	UG5 Requirements <sup>&amp;&amp;</sup> (6 cu)  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

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

<sup>&&</sup> A new UG5 requirement – Successful completion of any other non-credit bearing course(s) for fostering students' whole-person development