Sample Study Plan for BEng(CompSc) [for 2025-26 intake] (without HKDSE Math Extended Module 1 or 2 ++)

		Semester 1		Semester 2	
Year 1 (57 cu)	UG5 Requirements && (27 cu) Foundation (24 cu) Electives (6 cu)	COMP1117	Computer programming	COMP1110	Computing & data science in everyday life
		MATH1011	University mathematics I ++	COMP2113	Programming technologies
		CC	University Common Core	MATH1013	University mathematics II
		CC	University Common Core	CC	University Common Core
		CC	University Common Core		
		CAES1001 # / AILT1001	Academic Communication in English / AI Literacy I	CAES1001 # / AILT1001	Academic Communication in English / AI Literacy I
Year 2 (63 cu)	UG5 Requirements && (15 cu) Foundation (12 cu) CS Core (24 cu) Electives (12 cu)	COMP2119	Introduction to data structure & algorithms	COMP2120	Computer organization
		COMP2121	Discrete mathematics	COMP3314	Introduction to machine learning
		MATH2012	Fundamental concepts of mathematics	MATH2014	Multivariable calculus & linear algebra
		Free Elective	Elective course in any disciplines	Free Elective	Elective course in any disciplines
		CC	University Common Core		
		CC / AILTxxxx	University Common Core / AI Literacy II	CC / AILTxxxx	University Common Core / AI Literacy II
Year 3 (66 cu)	UG5 Requirements && (6 cu) CS Core (30 cu) Electives (24 cu)	COMP3251 / COMP3252	Algorithm design / Algorithm design and analysis	COMP3234 / COMP3278	Computer & communication networks / Introduction to database management systems
		COMP3230	Principles of operating systems	COMP3297	Software engineering
		SDST2601	Probability & statistics I	CS Elective	Elective course in computer science
		CS Elective	Elective course in computer science	Free Elective	Elective course in any disciplines
		Free Elective / xxxxxxxx	Elective course in any discipline / Chinese for CDS students	Free Elective / xxxxxxxx	Elective course in any discipline / Chinese for CDS students
	Summer (6 cu)	COMP3412	Internship		
Year 4 (54 cu)	UG5 Requirements && (6 cu) Capstone Experience (12 cu) Electives (36 cu)	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	CS Elective	Elective course in computer science
		CS Elective	Elective course in computer science	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 MATH1013; for other qualifications, please consult Faculty for advice.

Unless otherwise exempted through having achieved Level 5 or above in English Language in the Hong Kong Diploma of Secondary Education Examination, or equivalent.

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