Sample Study Plan for BEng(CompSc) with Minor in Statistics [4-Year Curriculum]

		Semester 1		Semester 2	
Year 1 (60 cu)	UG5 Requirements (12 + 12 cu) General Engineering (18 + 18 cu)	MATH1851 / MATH1853 ENGG1111⌗ ENGG1202 / ENGG120x CAES1000 UCC	Calculus and ordinary differential equations $$ / Linear algebra, probability and statistics $$ Computer programming and applications Introduction to computer science / General Engineering course * Core University English University Common Core	MATH1851 / MATH1853 PHYS1050 ENGG1202 / ENGG120x UCC UCC	Calculus and ordinary differential equations / Linear algebra, probability and statistics Physics for engineering students Introduction to computer science / General Engineering course * University Common Core University Common Core
Year 2 (66 cu)	UG5 Requirements (6 + 12 cu) CS Core (12 + 12 cu) CS Electives (6 + 0 cu) STAT requirement (12 + 6 cu)	COMP2121 COMP2123 COMP2396 MATH2014 STAT2601 UCC	Discrete mathematics Programming technologies and tools Object-oriented programming and Java # Multivariable calculus and linear algebra Probability and statistics I University Common Core	COMP2119 COMP2120 STAT2602 UCC UCC	Introduction to data structures and algorithms Computer organization Probability and statistics II University Common Core University Common Core
Year 3 (66 cu)	UG5 Requirements (6 + 0 cu) CS Core (18 + 18 cu) CS Electives (0 + 6 cu) STAT requirement (6 + 6 cu)	COMP3230 COMP3278 COMP3297 CENG9001 STAT Elective	Principles of operating systems Introduction to database management systems Introduction to software engineering Practical Chinese for engineering students Elective course in statistics	COMP3234 COMP3250 COMP3311 CS Elective STAT Elective	Computer and communication networks Design and analysis of algorithms Legal aspects of computing Elective course in computer science Elective course in statistics
	Summer (6 cu)	COMP3412	Internship		
Year 4 (54 cu)	UG5 Requirements (6 + 0 cu) Capstone Experience (12 cu) CS Electives (12 + 6 cu) STAT requirement (6 + 12 cu)	COMP4801 CAES9542 CS Elective CS Elective STAT Elective	Final year project Technical English for computer science Elective course in computer science Elective course in computer science Elective course in statistics	COMP4801 CS Elective STAT Elective STAT Elective	Final year project Elective course in computer science Elective course in statistics Elective course in statistics

* 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		

Academic Advisor's recommendation of CS elective course

$$ Students are advised to take MATH1853 before MATH1851 unless they obtained good grade in DSE Extended Module 2

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