Sample Study Plan for BEng(CompSc) with 2nd Major in Finance [4-Year Curriculum]

		Semester 1		Semester 2	
Year 1 (66 cu)	UG5 Requirements (12 + 6 cu) General Engineering (18 + 18 cu) Fin Requirement (6 + 6 cu)	MATH1851 / MATH1853 ENGG1111⌗ ENGG1202 / ENGG120x CAES1000 UCC ACCT1101 / ECON1210 / ECON1220	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 Introduction to financial accounting / Introductory microeconomics / Introductory macroeconomics	MATH1851 / MATH1853 PHYS1050 ENGG1202 / ENGG120x UCC ACCT1101 / ECON1210 / ECON1220	Calculus and ordinary differential equations / Linear algebra, probability and statistics Physics for engineering students Introduction to computer science / General Engineering course * University Common Core Introduction to financial accounting / Introductory microeconomics / Introductory macroeconomics
Year 2 (72 cu)	UG5 Requirements (12 + 12 cu) CS Core (12 + 12 cu) CS Electives (6 + 0 cu) Fin Requirement (6 + 12 cu)	COMP2121 COMP2123 COMP2396 UCC UCC ACCT1101 / ECON1210 / ECON1220	Discrete mathematics Programming technologies and tools Object-oriented programming and Java # University Common Core University Common Core Introduction to financial accounting / Introductory microeconomics / Introductory macroeconomics	COMP2119 COMP2120 UCC UCC FINA1310 XXXXxxxx	Introduction to data structures and algorithms Computer organization University Common Core University Common Core Corporate finance A prescribed Stat course
Year 3 (66 cu)	UG5 Requirements (6 + 0 cu) CS Core (18 + 18 cu) Fin Requirement (6 + 12 cu)	COMP3230 COMP3278 COMP3297 CENG9001 ECON2280 / FINA2320 / FINA2322	Principles of operating systems Introduction to database management systems Introduction to software engineering Practical Chinese for engineering students Introductory econometrics / Investments and portfolio analysis / Derivatives	COMP3234 COMP3250 COMP3311 ECON2280 / FINA2320 / FINA2322 ECON2280 / FINA2320 / FINA2322	Computer and communication networks Design and analysis of algorithms Legal aspects of computing Introductory econometrics / Investments and portfolio analysis / Derivatives Introductory econometrics / Investments and portfolio analysis / Derivatives
	Summer (6 cu)	COMP3412	Internship		
Year 4 (66 cu)	UG5 Requirements (6 + 0 cu) Capstone Experience (12 cu) CS Electives (12 + 12 cu) Fin Requirement (12 + 12 cu)	COMP4801 CAES9542 CS Elective CS Elective ECON4200 /FINAxxxx FINAxxxx	Final year project Technical English for computer science Elective course in computer science Elective course in computer science Senior seminar in economics and finance / Disciplinary elective Disciplinary elective in lieu of MATH1013	COMP4801 CS Elective CS Elective ECON4200 /FINAxxxx FINAxxxx	Final year project Elective course in computer science Elective course in computer science Senior seminar in economics and finance / Disciplinary elective Disciplinary elective

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

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